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| --- |
| *Indicate the answer choice that best completes the statement or answers the question.* |

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| 1. Write the solution set displayed on the number line using interval notation.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 2. Write the set using set builder notation.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 3. Write the solution set displayed on the number line using interval notation.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 4. Find the domain of the expression.     |  |  |  | | --- | --- | --- | |  | a. | ℝ | |  | b. | {*m*| *m* ≠ 6} | |  | c. | {*m* | *m* ≠ 0} | |  | d. | {*m* | *m* ≠ −2} | |  | e. | {*m* |*m* ≠ 2} | |

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| 5. Write the solution set displayed on the number line using interval notation.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 6. Write the set using set builder notation.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 7. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 8. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 9. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 10. Simplify.       |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 11. Write the solution set displayed on the number line using interval notation.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 12. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 13. Simplify. State the values excluded from the domain, if any.     |  |  |  | | --- | --- | --- | |  | a. | and | |  | b. |  | |  | c. | and | |  | d. |  | |  | e. | and | |

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| 14. Identify all real sixth roots of  .   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. | and | |  | d. | no real sixth roots | |

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| 15. Identify all real square roots of  .   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. | no real square roots | |  | c. |  | |  | d. | and | |

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| 16. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 17. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 18. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 19. Find the domain of the expression.     |  |  |  | | --- | --- | --- | |  | a. | ℝ | |  | b. | {*m* | *m* ≠ −6} | |  | c. | {*m* | *m* ≠ 0} | |  | d. | {*m*| *m* ≠ 5} | |  | e. | {*m* |*m* ≠ 6} | |

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| 20. Identify all real square roots of  .   |  |  |  | | --- | --- | --- | |  | a. | and | |  | b. | no real square roots | |  | c. |  | |  | d. |  | |

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| 21. Rationalize the denominator.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |

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| 22. Rationalize the denominator.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |

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| 23. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 24. Write the solution set displayed on the number line using interval notation.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 25. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 26. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 27. Write the solution set displayed on the number line using interval notation.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 28. Write the solution set displayed on the number line using interval notation.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 29. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 30. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 31. Write the number in decimal notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 32. Write the set using set builder notation.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 33. Find the domain of the expression.     |  |  |  | | --- | --- | --- | |  | a. | {*n* |*n* ≠ 4} | |  | b. | {*n* |*n* ≠ 0} | |  | c. | {*n* |*n* ≠ 6} | |  | d. | {*n* |*n* ≠ −6} | |  | e. | ℝ | |

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| 34. Write the set using set builder notation.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 35. Identify all real sixth roots of  .   |  |  |  | | --- | --- | --- | |  | a. | no real sixth roots | |  | b. | and | |  | c. |  | |  | d. |  | |

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| 36. Simplify.  State the values excluded from the domain, if any.     |  |  |  | | --- | --- | --- | |  | a. | when | |  | b. |  | |  | c. | when | |  | d. | The expression cannot be simplified. | |  | e. | when | |  | f. | when | |

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| 37. Rationalize the denominator.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |

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| 38. Simplify.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 39. Write the solution set displayed on the number line using interval notation.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 40. Simplify.  State the values excluded from the domain, if any.     |  |  |  | | --- | --- | --- | |  | a. | when | |  | b. | when | |  | c. | when | |  | d. |  | |  | e. | when | |  | f. | The expression cannot be simplified. | |

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| 41. Simplify.       |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |

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| 42. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 43. Simplify.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 44. Simplify.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 45. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 46. Rationalize the denominator.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |

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| 47. Simplify. State the values excluded from the domain, if any.     |  |  |  | | --- | --- | --- | |  | a. | and | |  | b. |  | |  | c. | and | |  | d. |  | |  | e. | and | |

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| 48. Write the set using set builder notation.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 49. Simplify.       |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 50. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 51. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 52. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 53. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 54. Identify all real cube roots of  .   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. | no real cube roots | |  | d. | and | |

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| 55. Simplify.       |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |

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| 56. Find the domain of the expression.     |  |  |  | | --- | --- | --- | |  | a. | {*p* |*p* ≠ 3} | |  | b. | {*p* |*p* ≠ 5} | |  | c. | {*p* |*p* ≠ −5} | |  | d. | ℝ | |  | e. | {*p* |*p* ≠ 0} | |

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| 57. Write the solution set displayed on the number line using interval notation.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 58. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 59. Write the solution set displayed on the number line using interval notation.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 60. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 61. Simplify.  State the values excluded from the domain, if any.     |  |  |  | | --- | --- | --- | |  | a. | The expression cannot be simplified. | |  | b. | when | |  | c. | when | |  | d. | when | |  | e. | when | |  | f. |  | |

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| 62. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 63. Identify all real fourth roots of  .   |  |  |  | | --- | --- | --- | |  | a. | and | |  | b. |  | |  | c. | no real fourth roots | |  | d. |  | |

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| 64. Write the set using set builder notation.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| Using the polynomial 5x3–4x: |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 65. Write the polynomial in standard form   |  |  |  | | --- | --- | --- | |  | a. | –4x+5x3 | |  | b. | 5x3+4x | |  | c. | –4x–5x3 | |  | d. | 5x3–4x | |

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| 66. Write the solution set displayed on the number line using interval notation.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 67. Write the solution set displayed on the number line using interval notation.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 68. Write the set using set builder notation.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 69. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| Using the polynomial 2x2–4–2x3: |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 70. Write the polynomial in standard form   |  |  |  | | --- | --- | --- | |  | a. | –4–2x3+2x2 | |  | b. | 2x2–2x3–4 | |  | c. | –2x3+2x2–4 | |  | d. | 2x2–4–2x3 | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
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| 71. Simplify.       |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 72. Rationalize the denominator.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |

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| 73. Write the solution set displayed on the number line using interval notation.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 74. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 75. Identify all real square roots of  .   |  |  |  | | --- | --- | --- | |  | a. | and | |  | b. | no real square roots | |  | c. |  | |  | d. |  | |

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| 76. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 77. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 78. Write the number in scientific notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 79. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 80. Simplify. State the values excluded from the domain, if any.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |

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| 81. Rationalize the denominator.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |

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| 82. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 83. Write the number in scientific notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 84. Find the domain of the expression.     |  |  |  | | --- | --- | --- | |  | a. | {*q* | *q* ≠ 0} | |  | b. | {*q*| *q* ≠ 3} | |  | c. | ℝ | |  | d. | {*q* |*q* ≠ 4} | |  | e. | {*q* | *q* ≠ −4} | |

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| 85. Write the number in scientific notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 86. Write the number in decimal notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 87. Simplify. State the values excluded from the domain, if any.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |

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| 88. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 89. Write the solution set displayed on the number line using interval notation.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 90. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 91. Identify all real fourth roots of  .   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. | no real fourth roots | |  | c. |  | |  | d. | and | |

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| 92. Simplify.  State the values excluded from the domain, if any.     |  |  |  | | --- | --- | --- | |  | a. | when | |  | b. | The expression cannot be simplified. | |  | c. | when | |  | d. | when | |  | e. | when | |  | f. |  | |

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| 93. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 94. Write the number in decimal notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 95. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 96. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 97. Find the domain of the expression.     |  |  |  | | --- | --- | --- | |  | a. | {*w*| *w* ≠ 3} | |  | b. | ℝ | |  | c. | {*w* |*w* ≠ 5} | |  | d. | {*w* | *w* ≠ −5} | |  | e. | {*w* | *w* ≠ 0} | |

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| 98. Simplify.       |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |

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| 99. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 100. Find the domain of the expression.     |  |  |  | | --- | --- | --- | |  | a. | {*w* |*w* ≠ −6} | |  | b. | {*w* |*w* ≠ 3} | |  | c. | {*w* |*w* ≠ 6} | |  | d. | {*w* |*w* ≠ 0} | |  | e. | ℝ | |

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| 101. Identify all real fourth roots of  .   |  |  |  | | --- | --- | --- | |  | a. | no real fourth roots | |  | b. | and | |  | c. |  | |  | d. |  | |

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| 102. Identify all real seventh roots of  .   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. | no real seventh roots | |  | c. |  | |  | d. | and | |

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| 103. Write the solution set displayed on the number line using interval notation.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 104. Write the set using set builder notation.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 105. Rationalize the denominator.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |

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| 106. Find the domain of the expression.     |  |  |  | | --- | --- | --- | |  | a. | {*p* |*p* ≠ 0} | |  | b. | ℝ | |  | c. | {*p* |*p* ≠ −4} | |  | d. | {*p* |*p* ≠ 3} | |  | e. | {*p* |*p* ≠ 4} | |

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| 107. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 108. Write the set using set builder notation.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 109. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 110. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 111. Write the number in scientific notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 112. Identify all real fifth roots of  .   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. | no real fifth roots | |  | d. | and | |

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| 113. Write the set using set builder notation.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 114. Simplify.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 115. Simplify.       |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |

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| 116. Write the set using set builder notation.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 117. Simplify.       |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 118. Find the domain of the expression.     |  |  |  | | --- | --- | --- | |  | a. | {*q* |*q* ≠ 2} | |  | b. | {*q* |*q* ≠ −4} | |  | c. | ℝ | |  | d. | {*q* |*q* ≠ 0} | |  | e. | {*q* |*q* ≠ 4} | |

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| 119. Simplify.       |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 120. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 121. Identify all real square roots of  .   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. | no real square roots | |  | c. | and | |  | d. |  | |

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| 122. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 123. Identify all real cube roots of  .   |  |  |  | | --- | --- | --- | |  | a. | and | |  | b. | no real cube roots | |  | c. |  | |  | d. |  | |

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| 124. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 125. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 126. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 127. Rationalize the denominator.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |

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| 128. Simplify.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 129. Simplify. State the values excluded from the domain, if any.     |  |  |  | | --- | --- | --- | |  | a. | and | |  | b. |  | |  | c. | and | |  | d. |  | |  | e. | and | |

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| 130. Simplify.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 131. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 132. Write the set using set builder notation.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 133. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 134. Identify all real seventh roots of  .   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. | and | |  | d. | no real seventh roots | |

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| 135. Write the solution set displayed on the number line using interval notation.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 136. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 137. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 138. Write the set using set builder notation.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 139. Identify all real sixth roots of  .   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. | and | |  | c. | no real sixth roots | |  | d. |  | |

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| 140. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 141. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 142. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 143. Find the domain of the expression.     |  |  |  | | --- | --- | --- | |  | a. | {*q* |*q* ≠ −4} | |  | b. | ℝ | |  | c. | {*q* |*q* ≠ 0} | |  | d. | {*q* |*q* ≠ 2} | |  | e. | {*q* |*q* ≠ 4} | |

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| 144. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 145. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 146. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 147. Simplify. State the values excluded from the domain, if any.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |

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| 148. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 149. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 150. Simplify. State the values excluded from the domain, if any.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |

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| 151. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 152. Rationalize the denominator.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |

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| 153. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 154. Simplify. State the values excluded from the domain, if any.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |

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| 155. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 156. Rationalize the denominator.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |

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| 157. Rationalize the denominator.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |

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| 158. Identify all real fourth roots of  .   |  |  |  | | --- | --- | --- | |  | a. | and | |  | b. | no real fourth roots | |  | c. |  | |  | d. |  | |

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| 159. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 160. Find the domain of the expression.     |  |  |  | | --- | --- | --- | |  | a. | {*m* |*m* ≠ 6} | |  | b. | {*m* |*m* ≠ −3} | |  | c. | {*m* |*m* ≠ 3} | |  | d. | {*m* |*m* ≠ 0} | |  | e. | ℝ | |

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| Using the polynomial 6b–2b2–4b3+4: |

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| 161. Write the polynomial in standard form   |  |  |  | | --- | --- | --- | |  | a. | –4b3+6b–2b2+4 | |  | b. | –2b2–4b3+6b+4 | |  | c. | –4b3–2b2+4+6b | |  | d. | –4b3–2b2+6b+4 | |  | e. | 4+6b–4b3–2b2 | |  | f. | 4–4b3–2b2+6b | |

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| 162. Write the number in scientific notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 163. Rationalize the denominator.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |

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| 164. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 165. Write the solution set displayed on the number line using interval notation.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 166. Write the number in decimal notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 167. Identify all real seventh roots of  .   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. | no real seventh roots | |  | c. | and | |  | d. |  | |

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| Using the polynomial 4x4+5x5+5: |

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| 168. Write the polynomial in standard form   |  |  |  | | --- | --- | --- | |  | a. | 5+5x5+4x4 | |  | b. | 4x4+5+5x5 | |  | c. | 4x4+5x5+5 | |  | d. | 5x5+4x4+5 | |

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| 169. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 170. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 171. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 172. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 173. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 174. Simplify. State the values excluded from the domain, if any.     |  |  |  | | --- | --- | --- | |  | a. | and | |  | b. |  | |  | c. |  | |  | d. | and | |  | e. | and | |

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| 175. Write the set using set builder notation.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 176. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 177. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 178. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 179. Write the solution set displayed on the number line using interval notation.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 180. Write the set using set builder notation.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 181. Simplify.  State the values excluded from the domain, if any.     |  |  |  | | --- | --- | --- | |  | a. | when | |  | b. | when | |  | c. |  | |  | d. | The expression cannot be simplified. | |  | e. | when | |  | f. | when | |

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| 182. Write the solution set displayed on the number line using interval notation.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 183. Find the domain of the expression.     |  |  |  | | --- | --- | --- | |  | a. | {*m*| *m* ≠ 6} | |  | b. | ℝ | |  | c. | {*m* |*m* ≠ 2} | |  | d. | {*m* | *m* ≠ 0} | |  | e. | {*m* | *m* ≠ −2} | |

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| 184. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 185. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 186. Write the set using set builder notation.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 187. Write the set using set builder notation.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 188. Find the domain of the expression.     |  |  |  | | --- | --- | --- | |  | a. | {*p* |*p* ≠ 5} | |  | b. | ℝ | |  | c. | {*p* |*p* ≠ 2} | |  | d. | {*p* |*p* ≠ −5} | |  | e. | {*p* |*p* ≠ 0} | |

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| 189. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 190. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 191. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 192. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 193. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 194. Simplify.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 195. Write the solution set displayed on the number line using interval notation.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 196. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 197. Write the number in decimal notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| Using the polynomial 2a+3a2+2a3+2: |

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| 198. Write the polynomial in standard form   |  |  |  | | --- | --- | --- | |  | a. | 2a3+3a2+2a+2 | |  | b. | 2+2a+2a3+3a2 | |  | c. | 3a2+2a3+2a+2 | |  | d. | 2a3+3a2+2+2a | |  | e. | 2+2a3+3a2+2a | |  | f. | 2a3+2a+3a2+2 | |

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| Using the polynomial 3a–5a2: |

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| 199. Write the polynomial in standard form   |  |  |  | | --- | --- | --- | |  | a. | –5a2+3a | |  | b. | 3a | |  | c. | –5a2–3a | |  | d. | 3a+5a2 | |

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| 200. Simplify.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 201. Simplify.       |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 202. Identify all real square roots of  .   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. | no real square roots | |  | c. | and | |  | d. |  | |

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| 203. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 204. Write the solution set displayed on the number line using interval notation.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 205. Write the solution set displayed on the number line using interval notation.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 206. Simplify.       |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |

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| 207. Rationalize the denominator.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |

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| 208. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 209. Simplify.       |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |

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| 210. Identify all real square roots of  .   |  |  |  | | --- | --- | --- | |  | a. | no real square roots | |  | b. | and | |  | c. |  | |  | d. |  | |

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| 211. Identify all real square roots of  .   |  |  |  | | --- | --- | --- | |  | a. | and | |  | b. |  | |  | c. | no real square roots | |  | d. |  | |

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| 212. Identify all real cube roots of  .   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. | no real cube roots | |  | c. | and | |  | d. |  | |

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| 213. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 214. Write the number in scientific notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 215. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| Using the polynomial 3z–2z2: |

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| 216. Write the polynomial in standard form   |  |  |  | | --- | --- | --- | |  | a. | 3z–2z2 | |  | b. | 3z+2z2 | |  | c. | –2z2–3z | |  | d. | –2z2+3z | |

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| 217. Write the set using set builder notation.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| Using the polynomial 7x+4x2+3x3+7: |

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| 218. Write the polynomial in standard form:   |  |  |  | | --- | --- | --- | |  | a. | 3x3+7x+4x2+7 | |  | b. | 3x3+4x2+7x+7 | |  | c. | 4x2+3x3+7x+7 | |  | d. | 7+3x3+4x2+7x | |  | e. | 7+7x+3x3+4x2 | |  | f. | 3x3+4x2+7+7x | |

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| 219. Find the domain of the expression.     |  |  |  | | --- | --- | --- | |  | a. | ℝ | |  | b. | {*w* | *w* ≠ 0} | |  | c. | {*w* |*w* ≠ 6} | |  | d. | {*w*| *w* ≠ 2} | |  | e. | {*w* | *w* ≠ −6} | |

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| 220. Identify all real cube roots of  .   |  |  |  | | --- | --- | --- | |  | a. | no real cube roots | |  | b. |  | |  | c. |  | |  | d. | and | |

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| 221. Simplify.  State the values excluded from the domain, if any.     |  |  |  | | --- | --- | --- | |  | a. | when | |  | b. | when | |  | c. | The expression cannot be simplified. | |  | d. | when | |  | e. |  | |  | f. | when | |

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| 222. Write the set using set builder notation.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 223. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 224. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 225. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 226. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 227. Identify all real square roots of  .   |  |  |  | | --- | --- | --- | |  | a. | and | |  | b. | no real square roots | |  | c. |  | |  | d. |  | |

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| 228. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 229. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 230. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 231. Write the set using set builder notation.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 232. Find the domain of the expression.     |  |  |  | | --- | --- | --- | |  | a. | {*w* | *w* ≠ −3} | |  | b. | {*w* |*w* ≠ 3} | |  | c. | {*w*| *w* ≠ 6} | |  | d. | ℝ | |  | e. | {*w* | *w* ≠ 0} | |

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| 233. Identify all real cube roots of  .   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. | and | |  | d. | no real cube roots | |

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| 234. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 235. Write the set using set builder notation.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 236. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 237. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 238. Simplify.  State the values excluded from the domain, if any.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. | The expression cannot be simplified. | |  | c. | when | |  | d. | when | |  | e. | when | |  | f. | when | |

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| 239. Write the number in scientific notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 240. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 241. Simplify. State the values excluded from the domain, if any.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. | and | |  | c. | and | |  | d. | and | |  | e. |  | |

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| 242. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 243. Simplify. State the values excluded from the domain, if any.     |  |  |  | | --- | --- | --- | |  | a. | and | |  | b. | and | |  | c. |  | |  | d. | and | |  | e. |  | |

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| 244. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 245. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 246. Simplify.       |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 247. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 248. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 249. Identify all real fourth roots of  .   |  |  |  | | --- | --- | --- | |  | a. | and | |  | b. |  | |  | c. | no real fourth roots | |  | d. |  | |

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| Using the polynomial –5x4: |

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| 250. Write the polynomial in standard form   |  |  |  | | --- | --- | --- | |  | a. | –5x4 | |  | b. | –5x4+x | |  | c. | –5x4+x+1 | |  | d. | –5x4+x4 | |

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| 251. Simplify. State the values excluded from the domain, if any.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |

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| 252. Write the set using set builder notation.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 253. Write the solution set displayed on the number line using interval notation.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 254. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 255. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| Using the polynomial –5y5: |

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| 256. Write the polynomial in standard form:   |  |  |  | | --- | --- | --- | |  | a. | –5y5+y | |  | b. | –5y5+y+1 | |  | c. | –5y5 | |  | d. | –5+y5 | |

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| 257. Simplify.  State the values excluded from the domain, if any.     |  |  |  | | --- | --- | --- | |  | a. | The expression cannot be simplified. | |  | b. | when | |  | c. | when | |  | d. | when | |  | e. |  | |  | f. | when | |

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| 258. Find the domain of the expression.     |  |  |  | | --- | --- | --- | |  | a. | {*p* |*p* ≠ −2} | |  | b. | ℝ | |  | c. | {*p* |*p* ≠ 0} | |  | d. | {*p* |*p* ≠ 2} | |  | e. | {*p* |*p* ≠ 2} | |

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| 259. Write the set using set builder notation.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 260. Write the number in decimal notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 261. Rationalize the denominator.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |

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| 262. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 263. Write the solution set displayed on the number line using interval notation.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 264. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 265. Write the number in scientific notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 266. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 267. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 268. Simplify.       |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 269. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| Using the polynomial –3x3+3x4+3: |

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| 270. Write the polynomial in standard form   |  |  |  | | --- | --- | --- | |  | a. | –3x3+3x4+3 | |  | b. | 3x4–3x3+3 | |  | c. | –3x3+3+3x4 | |  | d. | 3+3x4–3x3 | |

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| 271. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 272. Write the set using set builder notation.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 273. Simplify. State the values excluded from the domain, if any.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |

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| 274. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 275. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 276. Write the set using set builder notation.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 277. Simplify.       |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |

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| 278. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 279. Find the domain of the expression.     |  |  |  | | --- | --- | --- | |  | a. | {*p* | *p* ≠ −4} | |  | b. | {*p* |*p* ≠ 4} | |  | c. | {*p*| *p* ≠ 5} | |  | d. | {*p* | *p* ≠ 0} | |  | e. | ℝ | |

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| 280. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 281. Simplify.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 282. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 283. Rationalize the denominator.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |

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| 284. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 285. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 286. Simplify.       |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 287. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 288. Write the solution set displayed on the number line using interval notation.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 289. Simplify.  State the values excluded from the domain, if any.     |  |  |  | | --- | --- | --- | |  | a. | The expression cannot be simplified. | |  | b. | when | |  | c. |  | |  | d. | when | |  | e. | when | |  | f. | when | |

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| 290. Identify all real fourth roots of  .   |  |  |  | | --- | --- | --- | |  | a. | and | |  | b. |  | |  | c. | no real fourth roots | |  | d. |  | |

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| 291. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 292. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 293. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 294. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 295. Write the solution set displayed on the number line using interval notation.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 296. Write the number in scientific notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 297. Write the number in decimal notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 298. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 299. Simplify.  State the values excluded from the domain, if any.     |  |  |  | | --- | --- | --- | |  | a. | The expression cannot be simplified. | |  | b. | when | |  | c. | when | |  | d. | when | |  | e. |  | |  | f. | when | |

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| Using the polynomial –3a3: |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
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| 300. Write the polynomial in standard form:   |  |  |  | | --- | --- | --- | |  | a. | –3a3+a+a | |  | b. | –3a3 | |  | c. | –3a3+a | |  | d. | –3a3+a3 | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
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| 301. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 302. Rationalize the denominator.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |

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| 303. Write the set using set builder notation.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 304. Rationalize the denominator.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |

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| 305. Find the domain of the expression.     |  |  |  | | --- | --- | --- | |  | a. | {*p* |*p* ≠ −4} | |  | b. | {*p* |*p* ≠ 4} | |  | c. | ℝ | |  | d. | {*p* |*p* ≠ 4} | |  | e. | {*p* |*p* ≠ 0} | |

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| 306. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 307. Write the solution set displayed on the number line using interval notation.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 308. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 309. Rationalize the denominator.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |

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| 310. Identify all real seventh roots of  .   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. | no real seventh roots | |  | c. | and | |  | d. |  | |

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| 311. Identify all real sixth roots of  .   |  |  |  | | --- | --- | --- | |  | a. | no real sixth roots | |  | b. |  | |  | c. |  | |  | d. | and | |

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| 312. Rationalize the denominator.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |

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| Using the polynomial 4p2+2p+3p3+5: |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 313. Write the polynomial in standard form   |  |  |  | | --- | --- | --- | |  | a. | 3p3+4p2+5+2p | |  | b. | 5+3p3+4p2+2p | |  | c. | 5+2p+3p3+4p2 | |  | d. | 4p2+3p3+2p+5 | |  | e. | 3p3+2p+4p2+5 | |  | f. | 3p3+4p2+2p+5 | |

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| 314. Simplify. State the values excluded from the domain, if any.     |  |  |  | | --- | --- | --- | |  | a. | and | |  | b. | and | |  | c. |  | |  | d. |  | |  | e. | and | |

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| 315. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 316. Write the number in scientific notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 317. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 318. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| Using the polynomial –2x2+2+5x3: |

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| 319. Write the polynomial in standard form   |  |  |  | | --- | --- | --- | |  | a. | 2+5x3–2x2 | |  | b. | 5x3–2x2+2 | |  | c. | –2x2+5x3+2 | |  | d. | –2x2+2+5x3 | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 320. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 321. Simplify. State the values excluded from the domain, if any.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |

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| 322. Rationalize the denominator.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |

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| 323. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 324. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 325. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 326. Rationalize the denominator.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |

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| 327. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 328. Write the number in decimal notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 329. Identify all real sixth roots of  .   |  |  |  | | --- | --- | --- | |  | a. | and | |  | b. | no real sixth roots | |  | c. |  | |  | d. |  | |

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| 330. Write the number in decimal notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 331. Write the solution set displayed on the number line using interval notation.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 332. Simplify. State the values excluded from the domain, if any.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |

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| 333. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 334. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 335. Write the number in scientific notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 336. Simplify.       |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |

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| 337. Find the domain of the expression.     |  |  |  | | --- | --- | --- | |  | a. | {*w* |*w* ≠ 0} | |  | b. | {*w* |*w* ≠ 2} | |  | c. | {*w* |*w* ≠ −6} | |  | d. | {*w* |*w* ≠ 6} | |  | e. | ℝ | |

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| 338. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 339. Simplify.       |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |

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| 340. Write the number in decimal notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 341. Rationalize the denominator.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |

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| 342. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 343. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 344. Write the solution set displayed on the number line using interval notation.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 345. Find the domain of the expression.     |  |  |  | | --- | --- | --- | |  | a. | {*m* |*m* ≠ 2} | |  | b. | ℝ | |  | c. | {*m* |*m* ≠ −2} | |  | d. | {*m* |*m* ≠ 5} | |  | e. | {*m* |*m* ≠ 0} | |

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| 346. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 347. Find the domain of the expression.     |  |  |  | | --- | --- | --- | |  | a. | {*n* |*n* ≠ 4} | |  | b. | ℝ | |  | c. | {*n* |*n* ≠ −4} | |  | d. | {*n* |*n* ≠ 4} | |  | e. | {*n* |*n* ≠ 0} | |

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| 348. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 349. Simplify.       |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |

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| 350. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 351. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 352. Simplify.       |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |

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| 353. Identify all real fourth roots of  .   |  |  |  | | --- | --- | --- | |  | a. | no real fourth roots | |  | b. | and | |  | c. |  | |  | d. |  | |

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| 354. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 355. Rationalize the denominator.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |

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| 356. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 357. Write the set using set builder notation.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 358. Write the solution set displayed on the number line using interval notation.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 359. Simplify.       |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 360. Write the number in decimal notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 361. Write the set using set builder notation.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 362. Simplify.       |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 363. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| Using the polynomial 5x4–3–2x5: |

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| 364. Write the polynomial in standard form   |  |  |  | | --- | --- | --- | |  | a. | –2x5+5x4–3 | |  | b. | –3–2x5+5x4 | |  | c. | 5x4–2x5–3 | |  | d. | 5x4–3–2x5 | |

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| 365. Simplify. State the values excluded from the domain, if any.     |  |  |  | | --- | --- | --- | |  | a. | and | |  | b. |  | |  | c. | and | |  | d. | and | |  | e. |  | |

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| 366. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 367. Simplify. State the values excluded from the domain, if any.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |

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| 368. Write the solution set displayed on the number line using interval notation.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 369. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 370. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 371. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 372. Identify all real seventh roots of  .   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. | and | |  | d. | no real seventh roots | |

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| 373. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 374. Simplify.       |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 375. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 376. Rationalize the denominator.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |

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| 377. Simplify.  State the values excluded from the domain, if any.     |  |  |  | | --- | --- | --- | |  | a. | The expression cannot be simplified. | |  | b. | when | |  | c. | when | |  | d. |  | |  | e. | when | |  | f. | when | |

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| 378. Simplify.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 379. Write the set using set builder notation.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 380. Identify all real fifth roots of  .   |  |  |  | | --- | --- | --- | |  | a. | no real fifth roots | |  | b. |  | |  | c. | and | |  | d. |  | |

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| 381. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 382. Identify all real seventh roots of  .   |  |  |  | | --- | --- | --- | |  | a. | no real seventh roots | |  | b. |  | |  | c. |  | |  | d. | and | |

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| 383. Simplify. State the values excluded from the domain, if any.     |  |  |  | | --- | --- | --- | |  | a. | and | |  | b. | and | |  | c. | and | |  | d. |  | |  | e. |  | |

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| 384. Write the number in scientific notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 385. Write the set using set builder notation.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 386. Write the solution set displayed on the number line using interval notation.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 387. Simplify.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 388. Simplify.       |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 389. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 390. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 391. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 392. Find the domain of the expression.     |  |  |  | | --- | --- | --- | |  | a. | ℝ | |  | b. | {*m*| *m* ≠ 4} | |  | c. | {*m* |*m* ≠ 5} | |  | d. | {*m* | *m* ≠ 0} | |  | e. | {*m* | *m* ≠ −5} | |

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| 393. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 394. Find the domain of the expression.     |  |  |  | | --- | --- | --- | |  | a. | {*w* | *w* ≠ 0} | |  | b. | {*w*| *w* ≠ 2} | |  | c. | {*w* | *w* ≠ −5} | |  | d. | {*w* |*w* ≠ 5} | |  | e. | ℝ | |

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| 395. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 396. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 397. Write the set using set builder notation.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 398. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 399. Identify all real cube roots of  .   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. | and | |  | d. | no real cube roots | |

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| 400. Identify all real fifth roots of  .   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. | no real fifth roots | |  | d. | and | |

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| 401. Simplify.       |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |

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| 402. Simplify. State the values excluded from the domain, if any.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |

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| Using the polynomial –3z5: |

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| 403. Write the polynomial in standard form:   |  |  |  | | --- | --- | --- | |  | a. | –3z5+z | |  | b. | –3+z5 | |  | c. | –3z5 | |  | d. | –3z5+z+1 | |

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| 404. Identify all real cube roots of  .   |  |  |  | | --- | --- | --- | |  | a. | and | |  | b. | no real cube roots | |  | c. |  | |  | d. |  | |

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| 405. Identify all real square roots of  .   |  |  |  | | --- | --- | --- | |  | a. | no real square roots | |  | b. |  | |  | c. | and | |  | d. |  | |

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| 406. Simplify.  State the values excluded from the domain, if any.     |  |  |  | | --- | --- | --- | |  | a. | when | |  | b. | when | |  | c. |  | |  | d. | when | |  | e. | The expression cannot be simplified. | |  | f. | when | |

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| 407. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 408. Find the domain of the expression.     |  |  |  | | --- | --- | --- | |  | a. | {*q* | *q* ≠ 0} | |  | b. | {*q* |*q* ≠ 4} | |  | c. | ℝ | |  | d. | {*q* | *q* ≠ −4} | |  | e. | {*q*| *q* ≠ 5} | |

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| 409. Write the solution set displayed on the number line using interval notation.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 410. Identify all real cube roots of  .   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. | and | |  | d. | no real cube roots | |

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| 411. Find the domain of the expression.     |  |  |  | | --- | --- | --- | |  | a. | {*n* | *n* ≠ −2} | |  | b. | {*n* |*n* ≠ 2} | |  | c. | ℝ | |  | d. | {*n* | *n* ≠ 0} | |  | e. | {*n*| *n* ≠ 6} | |

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| 412. Rationalize the denominator.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |

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| 413. Write the solution set displayed on the number line using interval notation.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 414. Identify all real fifth roots of  .   |  |  |  | | --- | --- | --- | |  | a. | no real fifth roots | |  | b. |  | |  | c. |  | |  | d. | and | |

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| 415. Simplify.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 416. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 417. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 418. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 419. Write the set using set builder notation.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 420. Write the solution set displayed on the number line using interval notation.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 421. Find the domain of the expression.     |  |  |  | | --- | --- | --- | |  | a. | {*w*| *w* ≠ 2} | |  | b. | ℝ | |  | c. | {*w* | *w* ≠ −4} | |  | d. | {*w* |*w* ≠ 4} | |  | e. | {*w* | *w* ≠ 0} | |

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| 422. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 423. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 424. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 425. Simplify.  State the values excluded from the domain, if any.     |  |  |  | | --- | --- | --- | |  | a. | when | |  | b. | when | |  | c. | when | |  | d. | when | |  | e. | The expression cannot be simplified. | |  | f. |  | |

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| 426. Identify all real cube roots of  .   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. | no real cube roots | |  | c. |  | |  | d. | and | |

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| 427. Identify all real sixth roots of  .   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. | and | |  | c. |  | |  | d. | no real sixth roots | |

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| 428. Identify all real sixth roots of  .   |  |  |  | | --- | --- | --- | |  | a. | and | |  | b. |  | |  | c. |  | |  | d. | no real sixth roots | |

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| 429. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 430. Simplify.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 431. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 432. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 433. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 434. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 435. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 436. Identify all real sixth roots of  .   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. | and | |  | c. | no real sixth roots | |  | d. |  | |

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| 437. Write the set using set builder notation.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 438. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 439. Rationalize the denominator.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |

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| 440. Identify all real seventh roots of  .   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. | and | |  | d. | no real seventh roots | |

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| 441. Find the domain of the expression.     |  |  |  | | --- | --- | --- | |  | a. | {*m* | *m* ≠ 0} | |  | b. | ℝ | |  | c. | {*m* |*m* ≠ 5} | |  | d. | {*m*| *m* ≠ 2} | |  | e. | {*m* | *m* ≠ −5} | |

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| 442. Simplify. State the values excluded from the domain, if any.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |

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| 443. Identify all real square roots of  .   |  |  |  | | --- | --- | --- | |  | a. | no real square roots | |  | b. |  | |  | c. | and | |  | d. |  | |

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| 444. Write the number in scientific notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 445. Write the number in decimal notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 446. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 447. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 448. Simplify. State the values excluded from the domain, if any.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |

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| 449. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 450. Simplify.       |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |

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| 451. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 452. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 453. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 454. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 455. Simplify.       |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 456. Rationalize the denominator.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |

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| 457. Identify all real seventh roots of  .   |  |  |  | | --- | --- | --- | |  | a. | and | |  | b. |  | |  | c. | no real seventh roots | |  | d. |  | |

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| 458. Simplify.       |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |

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| 459. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 460. Write the set using set builder notation.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 461. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 462. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 463. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 464. Simplify.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 465. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 466. Find the domain of the expression.     |  |  |  | | --- | --- | --- | |  | a. | {*n* |*n* ≠ 5} | |  | b. | {*n* | *n* ≠ 0} | |  | c. | {*n* | *n* ≠ −5} | |  | d. | ℝ | |  | e. | {*n*| *n* ≠ 3} | |

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| 467. Find the domain of the expression.     |  |  |  | | --- | --- | --- | |  | a. | {*m* |*m* ≠ 5} | |  | b. | {*m* |*m* ≠ 0} | |  | c. | ℝ | |  | d. | {*m* |*m* ≠ 6} | |  | e. | {*m* |*m* ≠ −5} | |

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| 468. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 469. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 470. Write the solution set displayed on the number line using interval notation.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 471. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 472. Write the set using set builder notation.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 473. Find the domain of the expression.     |  |  |  | | --- | --- | --- | |  | a. | {*m* |*m* ≠ 0} | |  | b. | {*m* |*m* ≠ 3} | |  | c. | ℝ | |  | d. | {*m* |*m* ≠ −2} | |  | e. | {*m* |*m* ≠ 2} | |

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| 474. Simplify. State the values excluded from the domain, if any.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. | and | |  | c. | and | |  | d. |  | |  | e. | and | |

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| 475. Write the set using set builder notation.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 476. Write the solution set displayed on the number line using interval notation.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 477. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| Using the polynomial 2z2–3z3: |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 478. Write the polynomial in standard form   |  |  |  | | --- | --- | --- | |  | a. | 2z2–3z3 | |  | b. | –3z3–2z2 | |  | c. | 2z2+3z3 | |  | d. | –3z3+2z2 | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 479. Simplify. State the values excluded from the domain, if any.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |

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| 480. Rationalize the denominator.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |

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| 481. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 482. Identify all real cube roots of  .   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. | and | |  | d. | no real cube roots | |

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| 483. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 484. Write the number in scientific notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 485. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 486. Write the set using set builder notation.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| Using the polynomial 7x2–4x4: |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 487. Write the polynomial in standard form   |  |  |  | | --- | --- | --- | |  | a. | –4x4+7x2 | |  | b. | 7x2–4x4 | |  | c. | –4x4–7x2 | |  | d. | 7x2+4x4 | |

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| 488. Write the set using set builder notation.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 489. Write the number in scientific notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 490. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 491. Write the set using set builder notation.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 492. Write the solution set displayed on the number line using interval notation.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| Using the polynomial 3y: |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 493. Write the polynomial in standard form   |  |  |  | | --- | --- | --- | |  | a. | 3y+y2 | |  | b. | 3+y | |  | c. | 3y+y2+1 | |  | d. | 3y | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 494. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 495. Simplify.       |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 496. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 497. Rationalize the denominator.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |

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| 498. Write the number in decimal notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 499. Simplify.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 500. Simplify.  State the values excluded from the domain, if any.     |  |  |  | | --- | --- | --- | |  | a. | when | |  | b. | The expression cannot be simplified. | |  | c. | when | |  | d. | when | |  | e. |  | |  | f. | when | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 501. Write the number in decimal notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 502. Identify all real cube roots of  .   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. | no real cube roots | |  | d. | and | |

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| 503. Simplify.  State the values excluded from the domain, if any.     |  |  |  | | --- | --- | --- | |  | a. | when | |  | b. |  | |  | c. | when | |  | d. | when | |  | e. | when | |  | f. | The expression cannot be simplified. | |

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| 504. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 505. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 506. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 507. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 508. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 509. Write the solution set displayed on the number line using interval notation.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 510. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 511. Write the solution set displayed on the number line using interval notation.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 512. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 513. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 514. Express the solution set of the inequality using interval notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| Using the polynomial 3x2+7x+5x3+6: |

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| 515. Write in standard form   |  |  |  | | --- | --- | --- | |  | a. | 3x2+5x3+7x+6 | |  | b. | 5x3+3x2+7x+6 | |  | c. | 6+7x+5x3+7x | |  | d. | 5x3+7x+3x2+6 | |  | e. | 6+5x3+3x2+7x | |  | f. | 5x3+3x2+6+7x | |

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| 516. Write the set using set builder notation.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 517. Write the number in decimal notation.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 518. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 519. Write the inequality with solution set   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |

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| 520. Simplify.       |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |

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| 521. Rationalize the denominator.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |

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| 522. Identify all real sixth roots of  .   |  |  |  | | --- | --- | --- | |  | a. | no real sixth roots | |  | b. |  | |  | c. | and | |  | d. |  | |

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| 523. Simplify. State the values excluded from the domain, if any.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. | and | |  | c. |  | |  | d. | and | |  | e. | and | |

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| 524. Write the set using set builder notation.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 525. Simplify. State the values excluded from the domain, if any.     |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |

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| --- |
| *Indicate one or more answer choices that best complete the statement or answer the question.* |

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| 526. Simplify.    Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 527. Simplify.    Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |

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| Using the polynomial 3a–5a2: |

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| 528. This polynomial is a:   |  |  |  | | --- | --- | --- | |  | a. | quartic | |  | b. | quintic | |  | c. | quadratic | |  | d. | cubic | |  | e. | linear | |  | f. | monomial | |  | g. | trinomial | |  | h. | binomial | |  | i. | polynomial | |

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| 529. Write the solution set displayed on the number line as an inequality and using interval notation.  Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 530. Write the solution set displayed on the number line as an inequality and using interval notation.  Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 531. Choose any properties demonstrated in the equation.    Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. | Associative Property of Multiplication | |  | b. | Commutative Property of Multiplication | |  | c. | Associative Property of Addition | |  | d. | Distributive Property | |  | e. | Commutative Property of Addition | |  | f. | Identity Property of Multiplication | |  | g. | Identity Property of Addition | |

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| Using the polynomial 2x2–4–2x3: |

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| 532. This polynomial is a:   |  |  |  | | --- | --- | --- | |  | a. | quartic | |  | b. | quintic | |  | c. | quadratic | |  | d. | cubic | |  | e. | linear | |  | f. | monomial | |  | g. | trinomial | |  | h. | binomial | |  | i. | polynomial | |

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| 533. Choose any properties demonstrated in the equation.    Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. | Associative Property of Addition | |  | b. | Identity Property of Addition | |  | c. | Commutative Property of Addition | |  | d. | Associative Property of Multiplication | |  | e. | Commutative Property of Multiplication | |  | f. | Identity Property of Multiplication | |  | g. | Distributive Property | |

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| 534. Simplify.    Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |

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| 535. Simplify.    Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |

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| 536. Choose any properties demonstrated in the equation.    Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. | Associative Property of Multiplication | |  | b. | Identity Property of Addition | |  | c. | Commutative Property of Multiplication | |  | d. | Associative Property of Addition | |  | e. | Commutative Property of Addition | |  | f. | Distributive Property | |  | g. | Identity Property of Multiplication | |

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| 537. Write the solution set displayed on the number line as an inequality and using interval notation.  Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 538. Write the solution set displayed on the number line as an inequality and using interval notation.  Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 539. This polynomial is a:   |  |  |  | | --- | --- | --- | |  | a. | quartic | |  | b. | quintic | |  | c. | quadratic | |  | d. | cubic | |  | e. | linear | |  | f. | monomial | |  | g. | trinomial | |  | h. | binomial | |  | i. | polynomial | |

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| 540. Write the solution set displayed on the number line as an inequality and using interval notation.  Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 541. Choose any properties demonstrated in the equation.    Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. | Distributive Property | |  | b. | Identity Property of Multiplication | |  | c. | Associative Property of Multiplication | |  | d. | Commutative Property of Multiplication | |  | e. | Identity Property of Addition | |  | f. | Commutative Property of Addition | |  | g. | Associative Property of Addition | |

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| 542. Write the solution set displayed on the number line as an inequality and using interval notation.  Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 543. Choose any properties demonstrated in the equation.    Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. | Commutative Property of Multiplication | |  | b. | Associative Property of Multiplication | |  | c. | Identity Property of Multiplication | |  | d. | Commutative Property of Addition | |  | e. | Identity Property of Addition | |  | f. | Distributive Property | |  | g. | Associative Property of Addition | |

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| 544. Choose any properties demonstrated in the equation.    Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. | Commutative Property of Addition | |  | b. | Associative Property of Addition | |  | c. | Identity Property of Addition | |  | d. | Identity Property of Multiplication | |  | e. | Distributive Property | |  | f. | Associative Property of Multiplication | |  | g. | Commutative Property of Multiplication | |

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| 545. Write the solution set displayed on the number line as an inequality and using interval notation.  Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 546. Choose any properties demonstrated in the equation.    Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. | Associative Property of Multiplication | |  | b. | Commutative Property of Addition | |  | c. | Distributive Property | |  | d. | Associative Property of Addition | |  | e. | Identity Property of Addition | |  | f. | Identity Property of Multiplication | |  | g. | Commutative Property of Multiplication | |

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| 547. Write the solution set displayed on the number line as an inequality and using interval notation.  Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| Using the polynomial 2a+3a2+2a3+2: |

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| 548. This polynomial is a:   |  |  |  | | --- | --- | --- | |  | a. | quartic | |  | b. | quintic | |  | c. | quadratic | |  | d. | cubic | |  | e. | linear | |  | f. | monomial | |  | g. | trinomial | |  | h. | binomial | |  | i. | polynomial | |

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| 549. Write the solution set displayed on the number line as an inequality and using interval notation.  Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 550. Write the solution set displayed on the number line as an inequality and using interval notation.  Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 551. Write the solution set displayed on the number line as an inequality and using interval notation.  Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 552. Write the solution set displayed on the number line as an inequality and using interval notation.  Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| Using the polynomial 3y: |

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| 553. This polynomial is a:   |  |  |  | | --- | --- | --- | |  | a. | quartic | |  | b. | quintic | |  | c. | quadratic | |  | d. | cubic | |  | e. | linear | |  | f. | monomial | |  | g. | trinomial | |  | h. | binomial | |  | i. | polynomial | |

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| Using the polynomial 2z2–3z3: |

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| 554. This polynomial is a:   |  |  |  | | --- | --- | --- | |  | a. | quartic | |  | b. | quintic | |  | c. | quadratic | |  | d. | cubic | |  | e. | linear | |  | f. | monomial | |  | g. | trinomial | |  | h. | binomial | |  | i. | polynomial | |

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| 555. Write the solution set displayed on the number line as an inequality and using interval notation.  Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 556. Simplify.    Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |

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| 557. Write the solution set displayed on the number line as an inequality and using interval notation.  Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| Using the polynomial 7x2–4x4: |

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| 558. This polynomial is a:   |  |  |  | | --- | --- | --- | |  | a. | quartic | |  | b. | quintic | |  | c. | quadratic | |  | d. | cubic | |  | e. | linear | |  | f. | monomial | |  | g. | trinomial | |  | h. | binomial | |  | i. | polynomial | |

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| 559. Choose any properties demonstrated in the equation.    Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. | Commutative Property of Addition | |  | b. | Identity Property of Addition | |  | c. | Identity Property of Multiplication | |  | d. | Associative Property of Multiplication | |  | e. | Associative Property of Addition | |  | f. | Commutative Property of Multiplication | |  | g. | Distributive Property | |

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| 560. Write the solution set displayed on the number line as an inequality and using interval notation.  Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| Using the polynomial 6b–2b2–4b3+4: |

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| 561. This polynomial is a:   |  |  |  | | --- | --- | --- | |  | a. | quartic | |  | b. | quintic | |  | c. | quadratic | |  | d. | cubic | |  | e. | linear | |  | f. | monomial | |  | g. | trinomial | |  | h. | binomial | |  | i. | polynomial | |

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| Using the polynomial –3z5: |

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| 562. This polynomial is a:   |  |  |  | | --- | --- | --- | |  | a. | quartic | |  | b. | quintic | |  | c. | quadratic | |  | d. | cubic | |  | e. | linear | |  | f. | monomial | |  | g. | trinomial | |  | h. | binomial | |  | i. | polynomial | |

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| 563. Write the solution set displayed on the number line as an inequality and using interval notation.  Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| Using the polynomial 3z–2z2: |

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| 564. This polynomial is a:   |  |  |  | | --- | --- | --- | |  | a. | quartic | |  | b. | quintic | |  | c. | quadratic | |  | d. | cubic | |  | e. | linear | |  | f. | monomial | |  | g. | trinomial | |  | h. | binomial | |  | i. | polynomial | |

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| 565. Write the solution set displayed on the number line as an inequality and using interval notation.  Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 566. Choose any properties demonstrated in the equation.    Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. | Commutative Property of Addition | |  | b. | Distributive Property | |  | c. | Associative Property of Multiplication | |  | d. | Identity Property of Addition | |  | e. | Associative Property of Addition | |  | f. | Commutative Property of Multiplication | |  | g. | Identity Property of Multiplication | |

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| 567. Write the solution set displayed on the number line as an inequality and using interval notation.  Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 568. Write the solution set displayed on the number line as an inequality and using interval notation.  Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 569. Write the solution set displayed on the number line as an inequality and using interval notation.  Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 570. Write the solution set displayed on the number line as an inequality and using interval notation.  Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 571. Write the solution set displayed on the number line as an inequality and using interval notation.  Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 572. Write the solution set displayed on the number line as an inequality and using interval notation.  Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 573. Write the solution set displayed on the number line as an inequality and using interval notation.  Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 574. Write the solution set displayed on the number line as an inequality and using interval notation.  Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| Using the polynomial 4p2+2p+3p3+5: |

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| 575. This polynomial is a:   |  |  |  | | --- | --- | --- | |  | a. | quartic | |  | b. | quintic | |  | c. | quadratic | |  | d. | cubic | |  | e. | linear | |  | f. | monomial | |  | g. | trinomial | |  | h. | binomial | |  | i. | polynomial | |

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| 576. Simplify.    Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |

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| 577. Choose any properties demonstrated in the equation.    Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. | Distributive Property | |  | b. | Commutative Property of Multiplication | |  | c. | Commutative Property of Addition | |  | d. | Associative Property of Multiplication | |  | e. | Associative Property of Addition | |  | f. | Identity Property of Addition | |  | g. | Identity Property of Multiplication | |

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| 578. Choose any properties demonstrated in the equation.    Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. | Associative Property of Addition | |  | b. | Commutative Property of Addition | |  | c. | Identity Property of Multiplication | |  | d. | Associative Property of Multiplication | |  | e. | Identity Property of Addition | |  | f. | Distributive Property | |  | g. | Commutative Property of Multiplication | |

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| 579. Simplify.    Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |

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| 580. Write the solution set displayed on the number line as an inequality and using interval notation.  Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 581. Write the solution set displayed on the number line as an inequality and using interval notation.  Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 582. Choose any properties demonstrated in the equation.    Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. | Commutative Property of Addition | |  | b. | Associative Property of Addition | |  | c. | Identity Property of Multiplication | |  | d. | Associative Property of Multiplication | |  | e. | Identity Property of Addition | |  | f. | Distributive Property | |  | g. | Commutative Property of Multiplication | |

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| 583. Choose any properties demonstrated in the equation.    Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. | Identity Property of Addition | |  | b. | Associative Property of Multiplication | |  | c. | Associative Property of Addition | |  | d. | Commutative Property of Multiplication | |  | e. | Identity Property of Multiplication | |  | f. | Commutative Property of Addition | |  | g. | Distributive Property | |

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| 584. Write the solution set displayed on the number line as an inequality and using interval notation.  Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 585. Write the solution set displayed on the number line as an inequality and using interval notation.  Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 586. Write the solution set displayed on the number line as an inequality and using interval notation.  Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 587. Choose any properties demonstrated in the equation.    Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. | Associative Property of Addition | |  | b. | Commutative Property of Addition | |  | c. | Identity Property of Addition | |  | d. | Distributive Property | |  | e. | Identity Property of Multiplication | |  | f. | Commutative Property of Multiplication | |  | g. | Associative Property of Multiplication | |

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| 588. Simplify.    Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |

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| 589. Choose any properties demonstrated in the equation.    Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. | Associative Property of Addition | |  | b. | Commutative Property of Addition | |  | c. | Associative Property of Multiplication | |  | d. | Identity Property of Addition | |  | e. | Commutative Property of Multiplication | |  | f. | Distributive Property | |  | g. | Identity Property of Multiplication | |

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| Using the polynomial –5x4: |

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| 590. This polynomial is a:   |  |  |  | | --- | --- | --- | |  | a. | quartic | |  | b. | quintic | |  | c. | quadratic | |  | d. | cubic | |  | e. | linear | |  | f. | monomial | |  | g. | trinomial | |  | h. | binomial | |  | i. | polynomial | |

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| 591. Write the solution set displayed on the number line as an inequality and using interval notation.  Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 592. Choose any properties demonstrated in the equation.    Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. | Associative Property of Addition | |  | b. | Identity Property of Addition | |  | c. | Identity Property of Multiplication | |  | d. | Commutative Property of Multiplication | |  | e. | Distributive Property | |  | f. | Commutative Property of Addition | |  | g. | Associative Property of Multiplication | |

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| 593. Write the solution set displayed on the number line as an inequality and using interval notation.  Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 594. Write the solution set displayed on the number line as an inequality and using interval notation.  Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 595. Simplify.    Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |

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| 596. Choose any properties demonstrated in the equation.    Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. | Associative Property of Addition | |  | b. | Commutative Property of Multiplication | |  | c. | Identity Property of Addition | |  | d. | Associative Property of Multiplication | |  | e. | Identity Property of Multiplication | |  | f. | Distributive Property | |  | g. | Commutative Property of Addition | |

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| 597. Write the solution set displayed on the number line as an inequality and using interval notation.  Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| --- |
| Using the polynomial 7x+4x2+3x3+7: |

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| 598. This polynomial is a:   |  |  |  | | --- | --- | --- | |  | a. | quartic | |  | b. | quintic | |  | c. | quadratic | |  | d. | cubic | |  | e. | linear | |  | f. | monomial | |  | g. | trinomial | |  | h. | binomial | |  | i. | polynomial | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 599. Simplify.    Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |

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| 600. Write the solution set displayed on the number line as an inequality and using interval notation.  Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 601. Choose any properties demonstrated in the equation.    Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. | Associative Property of Multiplication | |  | b. | Associative Property of Addition | |  | c. | Identity Property of Addition | |  | d. | Commutative Property of Addition | |  | e. | Identity Property of Multiplication | |  | f. | Commutative Property of Multiplication | |  | g. | Distributive Property | |

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| 602. Simplify.    Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |

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| 603. Choose any properties demonstrated in the equation.    Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. | Associative Property of Addition | |  | b. | Distributive Property | |  | c. | Associative Property of Multiplication | |  | d. | Identity Property of Addition | |  | e. | Commutative Property of Addition | |  | f. | Identity Property of Multiplication | |  | g. | Commutative Property of Multiplication | |

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| 604. Write the solution set displayed on the number line as an inequality and using interval notation.  Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 605. Write the solution set displayed on the number line as an inequality and using interval notation.  Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 606. Write the solution set displayed on the number line as an inequality and using interval notation.  Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 607. Write the solution set displayed on the number line as an inequality and using interval notation.  Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 608. Write the solution set displayed on the number line as an inequality and using interval notation.  Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 609. Write the solution set displayed on the number line as an inequality and using interval notation.  Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 610. Simplify.    Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |

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| 611. Simplify.    Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |

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| Using the polynomial –3x3+3x4+3: |

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| 612. This polynomial is a:   |  |  |  | | --- | --- | --- | |  | a. | quartic | |  | b. | quintic | |  | c. | quadratic | |  | d. | cubic | |  | e. | linear | |  | f. | monomial | |  | g. | trinomial | |  | h. | binomial | |  | i. | polynomial | |

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| 613. Write the solution set displayed on the number line as an inequality and using interval notation.  Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 614. Simplify.    Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 615. Write the solution set displayed on the number line as an inequality and using interval notation.  Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| --- |
| Using the polynomial –3a3: |

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| 616. This polynomial is a:   |  |  |  | | --- | --- | --- | |  | a. | quartic | |  | b. | quintic | |  | c. | quadratic | |  | d. | cubic | |  | e. | linear | |  | f. | monomial | |  | g. | trinomial | |  | h. | binomial | |  | i. | polynomial | |

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| --- |
| Using the polynomial –5y5: |

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| 617. This polynomial is a:   |  |  |  | | --- | --- | --- | |  | a. | quartic | |  | b. | quintic | |  | c. | quadratic | |  | d. | cubic | |  | e. | linear | |  | f. | monomial | |  | g. | trinomial | |  | h. | binomial | |  | i. | polynomial | |

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| 618. Write the solution set displayed on the number line as an inequality and using interval notation.  Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 619. Choose any properties demonstrated in the equation.    Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. | Identity Property of Multiplication | |  | b. | Associative Property of Addition | |  | c. | Distributive Property | |  | d. | Identity Property of Addition | |  | e. | Commutative Property of Addition | |  | f. | Associative Property of Multiplication | |  | g. | Commutative Property of Multiplication | |

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| 620. Choose any properties demonstrated in the equation.    Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. | Commutative Property of Multiplication | |  | b. | Commutative Property of Addition | |  | c. | Distributive Property | |  | d. | Identity Property of Addition | |  | e. | Identity Property of Multiplication | |  | f. | Associative Property of Addition | |  | g. | Associative Property of Multiplication | |

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| 621. Simplify.    Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |

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| --- |
| Using the polynomial 5x4–3–2x5: |

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| 622. This polynomial is a:   |  |  |  | | --- | --- | --- | |  | a. | quartic | |  | b. | quintic | |  | c. | quadratic | |  | d. | cubic | |  | e. | linear | |  | f. | monomial | |  | g. | trinomial | |  | h. | binomial | |  | i. | polynomial | |

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| 623. Write the solution set displayed on the number line as an inequality and using interval notation.  Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 624. Choose any properties demonstrated in the equation.    Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. | Identity Property of Addition | |  | b. | Associative Property of Multiplication | |  | c. | Distributive Property | |  | d. | Commutative Property of Multiplication | |  | e. | Identity Property of Multiplication | |  | f. | Commutative Property of Addition | |  | g. | Associative Property of Addition | |

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| 625. Write the solution set displayed on the number line as an inequality and using interval notation.  Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 626. Write the solution set displayed on the number line as an inequality and using interval notation.  Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| Using the polynomial –2x2+2+5x3: |

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| 627. This polynomial is a:   |  |  |  | | --- | --- | --- | |  | a. | quartic | |  | b. | quintic | |  | c. | quadratic | |  | d. | cubic | |  | e. | linear | |  | f. | monomial | |  | g. | trinomial | |  | h. | binomial | |  | i. | polynomial | |

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| 628. Write the solution set displayed on the number line as an inequality and using interval notation.  Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 629. Choose any properties demonstrated in the equation.    Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. | Associative Property of Multiplication | |  | b. | Distributive Property | |  | c. | Identity Property of Multiplication | |  | d. | Commutative Property of Addition | |  | e. | Identity Property of Addition | |  | f. | Commutative Property of Multiplication | |  | g. | Associative Property of Addition | |

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| 630. Write the solution set displayed on the number line as an inequality and using interval notation.  Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 631. Write the solution set displayed on the number line as an inequality and using interval notation.  Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 632. Write the solution set displayed on the number line as an inequality and using interval notation.  Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 633. Write the solution set displayed on the number line as an inequality and using interval notation.  Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 634. Write the solution set displayed on the number line as an inequality and using interval notation.  Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 635. Write the solution set displayed on the number line as an inequality and using interval notation.  Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  | |  | f. |  | |

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| 636. Choose any properties demonstrated in the equation.    Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. | Commutative Property of Addition | |  | b. | Commutative Property of Multiplication | |  | c. | Identity Property of Multiplication | |  | d. | Associative Property of Multiplication | |  | e. | Identity Property of Addition | |  | f. | Distributive Property | |  | g. | Associative Property of Addition | |

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| --- |
| Using the polynomial 5x3–4x: |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 637. This polynomial is a:   |  |  |  | | --- | --- | --- | |  | a. | quartic | |  | b. | quintic | |  | c. | quadratic | |  | d. | cubic | |  | e. | linear | |  | f. | monomial | |  | g. | trinomial | |  | h. | binomial | |  | i. | polynomial | |

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| 638. Choose any properties demonstrated in the equation.    Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. | Commutative Property of Multiplication | |  | b. | Associative Property of Addition | |  | c. | Identity Property of Multiplication | |  | d. | Associative Property of Multiplication | |  | e. | Identity Property of Addition | |  | f. | Distributive Property | |  | g. | Commutative Property of Addition | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 639. Choose any properties demonstrated in the equation.    Select all that apply.   |  |  |  | | --- | --- | --- | |  | a. | Identity Property of Multiplication | |  | b. | Associative Property of Addition | |  | c. | Associative Property of Multiplication | |  | d. | Commutative Property of Multiplication | |  | e. | Commutative Property of Addition | |  | f. | Distributive Property | |  | g. | Identity Property of Addition | |

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| --- |
| Using the polynomial 4x4+5x5+5: |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 640. This polynomial is a:   |  |  |  | | --- | --- | --- | |  | a. | quartic | |  | b. | quintic | |  | c. | quadratic | |  | d. | cubic | |  | e. | linear | |  | f. | monomial | |  | g. | trinomial | |  | h. | binomial | |  | i. | polynomial | |

|  |
| --- |
| *Enter the appropriate value to answer the question or solve the problem.* |

|  |
| --- |
| Using the polynomial 3z–2z2: |

|  |
| --- |
| 641. The leading coefficient is |

|  |
| --- |
| Using the polynomial 5x3–4x: |

|  |
| --- |
| 642. The leading coefficient is |

|  |
| --- |
| Using the polynomial 7x2–4x4: |

|  |
| --- |
| 643. The leading coefficient is |

|  |
| --- |
| Using the polynomial 2a+3a2+2a3+2: |

|  |
| --- |
| 644. The degree of the polynomial is |

|  |
| --- |
| Using the polynomial 5x3–4x: |

|  |
| --- |
| 645. The degree of the polynomial is |

|  |
| --- |
| Using the polynomial 4p2+2p+3p3+5: |

|  |
| --- |
| 646. The leading coefficient is |

|  |
| --- |
| Using the polynomial 4x4+5x5+5: |

|  |
| --- |
| 647. The degree of the polynomial is |

|  |
| --- |
| Using the polynomial 2z2–3z3: |

|  |
| --- |
| 648. The leading coefficient is |

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| --- |
| Using the polynomial –3z5: |

|  |
| --- |
| 649. The degree of the polynomial is |

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| --- |
| Using the polynomial 3z–2z2: |

|  |
| --- |
| 650. The degree of the polynomial is |

|  |
| --- |
| Using the polynomial 2x2–4–2x3: |

|  |
| --- |
| 651. The leading coefficient is |

|  |
| --- |
| Using the polynomial –3x3+3x4+3: |

|  |
| --- |
| 652. The leading coefficient is |

|  |
| --- |
| Using the polynomial 4p2+2p+3p3+5: |

|  |
| --- |
| 653. The degree of the polynomial is |

|  |
| --- |
| Using the polynomial 7x+4x2+3x3+7: |

|  |
| --- |
| 654. The leading coefficient is |

|  |
| --- |
| Using the polynomial 2x2–4–2x3: |

|  |
| --- |
| 655. The degree of the polynomial is |

|  |
| --- |
| Using the polynomial –2x2+2+5x3: |

|  |
| --- |
| 656. The leading coefficient is |

|  |
| --- |
| Using the polynomial 2z2–3z3: |

|  |
| --- |
| 657. The degree of the polynomial is |

|  |
| --- |
| Using the polynomial 3y: |

|  |
| --- |
| 658. The leading coefficient is |

|  |
| --- |
| Using the polynomial 3a–5a2: |

|  |
| --- |
| 659. The leading coefficient is |

|  |
| --- |
| Using the polynomial 3x2+7x+5x3+6: |

|  |
| --- |
| 660. The leading coefficient is |

|  |
| --- |
| Using the polynomial –3z5: |

|  |
| --- |
| 661. The leading coefficient is |

|  |
| --- |
| Using the polynomial –5x4: |

|  |
| --- |
| 662. The leading coefficient is |

|  |
| --- |
| Using the polynomial –2x2+2+5x3: |

|  |
| --- |
| 663. The degree of the polynomial is |

|  |
| --- |
| Using the polynomial –5y5: |

|  |
| --- |
| 664. The leading coefficient is |

|  |
| --- |
| Using the polynomial 3y: |

|  |
| --- |
| 665. The degree of the polynomial is |

|  |
| --- |
| Using the polynomial 3a–5a2: |

|  |
| --- |
| 666. The degree of the polynomial is |

|  |
| --- |
| Using the polynomial 6b–2b2–4b3+4: |

|  |
| --- |
| 667. The leading coefficient is |

|  |
| --- |
| Using the polynomial 7x2–4x4: |

|  |
| --- |
| 668. The degree of the polynomial is |

|  |
| --- |
| Using the polynomial 7x+4x2+3x3+7: |

|  |
| --- |
| 669. The degree of the polynomial is |

|  |
| --- |
| Using the polynomial –3x3+3x4+3: |

|  |
| --- |
| 670. The degree of the polynomial is |

|  |
| --- |
| Using the polynomial –3a3: |

|  |
| --- |
| 671. The leading coefficient is |

|  |
| --- |
| Using the polynomial 3x2+7x+5x3+6: |

|  |
| --- |
| 672. The degree of the polynomial is |

|  |
| --- |
| Using the polynomial 6b–2b2–4b3+4: |

|  |
| --- |
| 673. The degree of the polynomial is |

|  |
| --- |
| Using the polynomial –3a3: |

|  |
| --- |
| 674. The degree of the polynomial is |

|  |
| --- |
| Using the polynomial 2a+3a2+2a3+2: |

|  |
| --- |
| 675. The leading coefficient is |

|  |
| --- |
| Using the polynomial 5x4–3–2x5: |

|  |
| --- |
| 676. The degree of the polynomial is |

|  |
| --- |
| Using the polynomial –5x4: |

|  |
| --- |
| 677. The degree of the polynomial is |

|  |
| --- |
| Using the polynomial 5x4–3–2x5: |

|  |
| --- |
| 678. The leading coefficient is |

|  |
| --- |
| Using the polynomial –5y5: |

|  |
| --- |
| 679. The degree of the polynomial is |

|  |
| --- |
| Using the polynomial 4x4+5x5+5: |

|  |
| --- |
| 680. The leading coefficient is |

|  |
| --- |
|  |

|  |  |
| --- | --- |
| 681. Simplify.  Enter the original expression if it cannot be further simplified.         |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

|  |
| --- |
| 682. Simplify.     = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

|  |  |
| --- | --- |
| 683. Simplify.  Enter the original expression if it cannot be further simplified.     =     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

|  |
| --- |
| 684. Find the distance between   and  .   and  The distance between   and   is \_\_\_\_\_\_\_\_ |

|  |
| --- |
| 685. Simplify. Assume that all variables result in nonzero denominators.   Enter the expression in simplest form. The numerator and denominator must be in expanded form (i.e., not a product of factors).      \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| --- |
| 686. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 687. Simplify. Assume that all variables result in nonzero denominators.  Enter the expression in simplest form. The numerator and denominator must be in expanded form (i.e., not a product of factors).      \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 688. Evaluate the expression for the given values of the variables.   for  and  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 689. Simplify.   \_\_\_\_\_\_\_\_ |

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| 690. If  , what is the value of  If the answer is not an integer, enter it as a fraction.  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 691. Simplify.  Enter the original expression if it cannot be further simplified.  ​     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 692. Simplify.  Enter the original expression if it cannot be further simplified.     =     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 693. Simplify.  Enter the exact answer. Do not enter a decimal approximation. Enter any fractional terms or factors in simplest form. Enter the original expression if it cannot be further simplified.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 694. Simplify. Assume that all variables result in nonzero denominators.  Enter the expression in simplest form.        \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 695. Find the distance between   and  .   and  The distance between   and   is \_\_\_\_\_\_\_\_ |

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| 696. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 697. Simplify.  Enter the expression in simplest form.         |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 698. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 699. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 700. Use the properties of exponents to simplify.  Enter the exact answer. Do not enter a decimal approximation. Enter any radical or fractional terms or factors in simplest form.      \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 701. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 702. Simplify.  Assume that all variables represent positive values.  Enter the exact answer. Do not enter a decimal approximation. Enter the original expression if it cannot be further simplified.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 703. Find the distance between   and  .   and  The distance between   and   is \_\_\_\_\_\_\_\_ |

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| 704. Evaluate the expression for the given values of the variables.   for  and  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 705. Find the distance between   and  .   and  The distance between   and   is \_\_\_\_\_\_\_\_ |

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| 706. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 707. Simplify.  Assume that all variables represent positive values.  Enter the exact answer. Do not enter a decimal approximation. Enter the original expression if it cannot be further simplified.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 708. Simplify.  Enter the original expression if it cannot be further simplified.  ​     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 709. Simplify.   \_\_\_\_\_\_\_\_ |

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| 710. Use the properties of exponents to simplify.  Enter the exact answer. Do not enter a decimal approximation. Enter any radical or fractional terms or factors in simplest form.      \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 711. Simplify.  Enter the original expression if it cannot be further simplified.     =     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 712. Find the distance between   and  .   and  The distance between   and   is \_\_\_\_\_\_\_\_ |

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| 713. Simplify.  Enter the expression in simplest form.      =  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 714. Simplify.  Enter the original expression if it cannot be further simplified.         |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 715. Factor completely.  Enter the factors as a product of two binomials. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 716. Simplify. Assume that all variables result in nonzero denominators.   Enter the expression in simplest form. The numerator and denominator must be in expanded form (i.e., not a product of factors).      \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 717. Simplify.  Enter the expression in simplest form.      \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 718. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 719. Simplify.   \_\_\_\_\_\_\_\_ |

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| 720. Simplify.  Enter the original expression if it cannot be further simplified.     =     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 721. Evaluate the expression for the given values of the variables.   for  and  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 722. Simplify. Use only positive exponents in simplified expressions.  Enter the original expression if it cannot be further simplified.  Assume that all variables represent nonzero numbers.  ​     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 723. Simplify.  Enter the exact answer. Do not enter a decimal approximation. Enter any radical terms or factors in simplest form. Enter the original expression if it cannot be further simplified.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 724. Evaluate the expression for the given values of the variables.   for  and  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 725. Simplify.  Enter the original expression if it cannot be further simplified.  ​     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 726. Simplify. Assume that all variables result in nonzero denominators.  Enter the expression in simplest form. The numerator and denominator must be in expanded form (i.e., not a product of factors).      \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 727. Simplify.  ​     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 728. Simplify.  Enter the expression in simplest form.         |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 729. Find the distance between   and  .   and  The distance between   and   is \_\_\_\_\_\_\_\_ |

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| 730. Simplify.  Enter the original expression if it cannot be further simplified.  ​     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 731. Divide and simplify. Assume all variables result in non-zero denominators.  Enter the expression in simplest form. The numerator and denominator must be in expanded form (i.e., not a product of factors).      \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 732. Simplify. Assume that all variables result in nonzero denominators.  Enter the expression in simplest form.        \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 733. Simplify. Assume that all variables result in nonzero denominators.  Enter the expression in simplest form. The numerator and denominator must be in expanded form (i.e., not a product of factors).         |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 734. Simplify. Assume that all variables result in nonzero denominators.  Enter the expression in simplest form. The numerator and denominator must be in expanded form (i.e., not a product of factors).      \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 735. Simplify.      =  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 736. If  , what is the value of  If the answer is not an integer, enter it as a fraction.  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 737. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 738. Simplify. Assume that all variables result in nonzero denominators.  Enter the expression in simplest form. The numerator and denominator must be in expanded form (i.e., not a product of factors).      \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 739. Simplify.  Enter the original expression if it cannot be further simplified.     =     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 740. Simplify. Assume that all variables result in nonzero denominators.  Enter the expression in simplest form. The numerator and denominator must be in expanded form (i.e., not a product of factors).      \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 741. Simplify.   \_\_\_\_\_\_\_\_ |

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| 742. Evaluate the expression for the given values of the variables.   for  and  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 743. Simplify.      =  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 744. Simplify.   \_\_\_\_\_\_\_\_ |

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| 745. Simplify.  Enter the original expression if it cannot be further simplified.     =     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 746. Evaluate the expression for the given values of the variables.   for  and  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 747. Simplify.  Enter the original expression if it cannot be further simplified.     =     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 748. Simplify.  Enter the original expression if it cannot be further simplified.  ​     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 749. Divide and simplify. Assume all variables result in non-zero denominators.  Enter the expression in simplest form. The numerator and denominator must be in expanded form (i.e., not a product of factors).      \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 750. Factor completely.  Enter the factors as a product of two binomials. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 751. Simplify.  Enter the expression in simplest form.      \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 752. If  , what is the value of  If the answer is not an integer, enter it as a fraction.  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 753. Find the distance between   and  .   and  The distance between   and   is \_\_\_\_\_\_\_\_ |

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| 754. Simplify. Assume that all variables result in nonzero denominators.  Enter the expression in simplest form. The numerator and denominator must be in expanded form (i.e., not a product of factors).         |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 755. Simplify.  Enter the expression in simplest form.      \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 756. Factor completely.  Enter the factors as a product of two binomials. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 757. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 758. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 759. Find the distance between   and  .   and  The distance between   and   is \_\_\_\_\_\_\_\_ |

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| 760. Simplify. Assume that all variables result in nonzero denominators.   Enter the expression in simplest form. The numerator and denominator must be in expanded form (i.e., not a product of factors).      \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 761. Simplify. Assume that all variables result in nonzero denominators.  Enter the expression in simplest form. The numerator and denominator must be in expanded form (i.e., not a product of factors).         |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 762. Factor completely.  Enter the factors as a product of two binomials. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 763. Simplify.  Enter the exact answer. Do not enter a decimal approximation. Enter any radical terms or factors in simplest form. Enter the original expression if it cannot be further simplified.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 764. Simplify.  Enter the expression in simplest form.      =  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 765. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 766. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 767. Evaluate the expression for the given values of the variables.   for  and  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 768. Simplify.  Enter the original expression if it cannot be further simplified.     =     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 769. Factor completely.  Enter the factors as a product of two binomials. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 770. Simplify. Assume that all variables result in nonzero denominators.  Enter the expression in simplest form. The numerator and denominator must be in expanded form (i.e., not a product of factors).      \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 771. Simplify.  Enter the original expression if it cannot be further simplified.     =     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 772. Simplify.  Enter the original expression if it cannot be further simplified.  ​     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 773. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 774. Factor completely.  Enter the factors as a product of two binomials. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 775. Simplify.  Enter the expression in simplest form.      =  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 776. Factor completely.  Enter the factors as a product of two binomials. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 777. Evaluate the expression for the given values of the variables.   for  and  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 778. Simplify.     = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 779. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 780. Factor completely.  Enter the factors as a product of two binomials. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 781. Simplify.  Assume that all variables represent positive values.  Enter the exact answer. Do not enter a decimal approximation. Enter the original expression if it cannot be further simplified.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 782. If  , what is the value of  If the answer is not an integer, enter it as a fraction.  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 783. Simplify.  Enter the expression in simplest form.      \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 784. Find the distance between   and  .   and  The distance between   and   is \_\_\_\_\_\_\_\_ |

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| 785. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 786. Simplify.  Enter the original expression if it cannot be further simplified.  ​     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 787. Simplify.  Enter the original expression if it cannot be further simplified.     =     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 788. Evaluate the expression for the given values of the variables.   for  and  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 789. Simplify. Assume that all variables result in nonzero denominators.  Enter the expression in simplest form.        \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 790. Evaluate the expression for the given values of the variables.   for  and  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 791. Simplify. Use only positive exponents in simplified expressions.  Enter the original expression if it cannot be further simplified.  Assume that all variables represent nonzero numbers.  ​     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 792. Factor completely.  Enter the factors as a product of two binomials. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 793. Simplify. Assume that all variables result in nonzero denominators.  Enter the expression in simplest form. The numerator and denominator must be in expanded form (i.e., not a product of factors).      \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 794. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 795. Factor completely.  Enter the factors as a product of two binomials. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 796. Simplify.  Enter the original expression if it cannot be further simplified.     =     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 797. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 798. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 799. Factor completely.  Enter the factors as a product of two binomials. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 800. Factor completely.  Enter the factors as a product of two binomials. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 801. Simplify.  Enter the expression in simplest form.      \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 802. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 803. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 804. Simplify.  Enter the original expression if it cannot be further simplified.     =     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 805. Simplify.  Enter the expression in simplest form.      \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 806. Factor completely.  Enter the factors as a product of two binomials. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 807. Simplify.  Enter the original expression if it cannot be further simplified.         |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 808. If  , what is the value of  If the answer is not an integer, enter it as a fraction.  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 809. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 810. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 811. Find the distance between   and  .   and  The distance between   and   is \_\_\_\_\_\_\_\_ |

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| 812. Simplify.  Enter the original expression if it cannot be further simplified.  ​     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 813. Evaluate the expression for the given values of the variables.   for  and  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 814. Simplify.  Enter the original expression if it cannot be further simplified.     =     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 815. If  , what is the value of  If the answer is not an integer, enter it as a fraction.  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 816. Simplify.  Enter the original expression if it cannot be further simplified.     =     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 817. Simplify.  Enter the original expression if it cannot be further simplified.  ​     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 818. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 819. Simplify.  Enter the expression in simplest form.         |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 820. Simplify.  Enter the original expression if it cannot be further simplified.     =     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 821. Use the properties of exponents to simplify.  Enter the exact answer. Do not enter a decimal approximation. Enter any radical or fractional terms or factors in simplest form.      \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 822. Simplify. Use only positive exponents in simplified expressions.  Enter the original expression if it cannot be further simplified.  Assume that all variables represent nonzero numbers.  ​     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 823. Simplify. Assume that all variables result in nonzero denominators.  Enter the expression in simplest form. The numerator and denominator must be in expanded form (i.e., not a product of factors).      \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 824. Simplify.  Enter the original expression if it cannot be further simplified.     =     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 825. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 826. Evaluate the expression for the given values of the variables.   for  and  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 827. Simplify.  Enter the original expression if it cannot be further simplified.  ​     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 828. Simplify.  Enter the expression in simplest form.      =  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 829. Use the properties of exponents to simplify.  Enter the exact answer. Do not enter a decimal approximation. Enter any radical or fractional terms or factors in simplest form.      \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 830. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 831. Simplify.  If the answer is not an integer, enter it as a fraction in simplest form.  Do not include a comma in numbers with more than 3 digits.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 832. Simplify.  Enter the original expression if it cannot be further simplified.  ​     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 833. Simplify. Assume that all variables result in nonzero denominators.   Enter the expression in simplest form. The numerator and denominator must be in expanded form (i.e., not a product of factors).      \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 834. Simplify.  Enter the expression in simplest form.         |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 835. Factor completely.  Enter the factors as a product of two binomials. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 836. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 837. Simplify.  Enter the original expression if it cannot be further simplified.         |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 838. Simplify.  If the answer is not an integer, enter it as a fraction in simplest form.  Do not include a comma in numbers with more than 3 digits.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 839. Simplify.   \_\_\_\_\_\_\_\_ |

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| 840. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 841. Simplify. Use only positive exponents in simplified expressions.  Enter the original expression if it cannot be further simplified.  Assume that all variables represent nonzero numbers.  ​     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 842. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 843. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 844. Evaluate the expression for the given values of the variables.   for  and  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 845. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 846. Simplify. Assume that all variables result in nonzero denominators.  Enter the expression in simplest form.        \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 847. Simplify.  Enter the expression in simplest form.      \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 848. Simplify.   \_\_\_\_\_\_\_\_ |

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| 849. Simplify.  Enter the original expression if it cannot be further simplified.  ​     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 850. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 851. If  , what is the value of  If the answer is not an integer, enter it as a fraction.  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 852. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 853. Factor completely.  Enter the factors as a product of two binomials. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 854. Divide and simplify. Assume all variables result in non-zero denominators.  Enter the expression in simplest form. The numerator and denominator must be in expanded form (i.e., not a product of factors).      \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 855. Factor completely.  Enter the factors as a product of two binomials. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 856. Simplify.  Assume that all variables represent positive values.  Enter the exact answer. Do not enter a decimal approximation. Enter the original expression if it cannot be further simplified.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 857. If  , what is the value of  If the answer is not an integer, enter it as a fraction.  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 858. Use the properties of exponents to simplify.  Enter the exact answer. Do not enter a decimal approximation. Enter any radical or fractional terms or factors in simplest form.      \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 859. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​  ​  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  ​ |

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| 860. Simplify. Assume that all variables result in nonzero denominators.  Enter the expression in simplest form.        \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 861. Factor completely.  Enter the factors as a product of two binomials. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 862. Factor completely.  Enter the factors as a product of two binomials. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 863. Simplify.  Enter the exact answer. Do not enter a decimal approximation. Enter any radical terms or factors in simplest form. Enter the original expression if it cannot be further simplified.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 864. Simplify.  Enter the original expression if it cannot be further simplified.  ​     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 865. Find the distance between   and  .   and  The distance between   and   is \_\_\_\_\_\_\_\_ |

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| 866. Simplify.  ​     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 867. Simplify.  Enter the original expression if it cannot be further simplified.     =     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 868. Simplify.  ​     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 869. If  , what is the value of  If the answer is not an integer, enter it as a fraction.  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 870. Evaluate the expression for the given values of the variables.   for  and  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 871. Simplify.      =  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 872. Simplify. Assume that all variables result in nonzero denominators.  Enter the expression in simplest form.        \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 873. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  ​ |

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| 874. Simplify.  Enter the original expression if it cannot be further simplified.         |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 875. Divide and simplify. Assume all variables result in non-zero denominators.  Enter the expression in simplest form. The numerator and denominator must be in expanded form (i.e., not a product of factors).      \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 876. Simplify.   \_\_\_\_\_\_\_\_ |

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| 877. Find the distance between   and  .   and  The distance between   and   is \_\_\_\_\_\_\_\_ |

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| 878. Simplify.  Enter the original expression if it cannot be further simplified.     =     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 879. Simplify.  Enter the original expression if it cannot be further simplified.  ​     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 880. Factor completely.  Enter the factors as a product of two binomials. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 881. Simplify.  Enter the original expression if it cannot be further simplified.     =     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 882. Simplify.  Enter the original expression if it cannot be further simplified.     =     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 883. Simplify.  Enter the expression in simplest form.      \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 884. Simplify.  Enter the original expression if it cannot be further simplified.         |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 885. Simplify.  Enter the original expression if it cannot be further simplified.     =     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 886. Factor completely.  Enter the factors as a product of two binomials. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 887. Simplify.  Assume that all variables represent positive values.  Enter the exact answer. Do not enter a decimal approximation. Enter the original expression if it cannot be further simplified.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 888. Simplify.  Assume that all variables represent positive values.  Enter the exact answer. Do not enter a decimal approximation. Enter the original expression if it cannot be further simplified.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 889. Simplify.  Enter the original expression if it cannot be further simplified.         |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 890. Simplify. Assume that all variables result in nonzero denominators.  Enter the expression in simplest form. The numerator and denominator must be in expanded form (i.e., not a product of factors).      \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 891. Simplify.  Enter the original expression if it cannot be further simplified.     =     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 892. Simplify.  Enter the original expression if it cannot be further simplified.     =     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 893. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 894. Simplify. Assume that all variables result in nonzero denominators.  Enter the expression in simplest form.        \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 895. Simplify.   \_\_\_\_\_\_\_\_ |

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| 896. If  , what is the value of  If the answer is not an integer, enter it as a fraction.  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 897. Simplify. Assume that all variables result in nonzero denominators.  Enter the expression in simplest form. The numerator and denominator must be in expanded form (i.e., not a product of factors).      \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 898. Factor completely.  Enter the factors as a product of two binomials. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 899. Simplify. Assume that all variables result in nonzero denominators.  Enter the expression in simplest form. The numerator and denominator must be in expanded form (i.e., not a product of factors).      \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 900. Simplify.  Enter the original expression if it cannot be further simplified.     =     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 901. Simplify.  Enter the expression in simplest form.         |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 902. Simplify. Assume that all variables result in nonzero denominators.  Enter the expression in simplest form.        \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 903. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 904. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 905. Simplify.  Enter the exact answer. Do not enter a decimal approximation. Enter any radical terms or factors in simplest form. Enter the original expression if it cannot be further simplified.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 906. Factor completely.  Enter the factors as a product of two binomials. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 907. Simplify.  Enter the original expression if it cannot be further simplified.     =     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 908. Simplify.  Enter the expression in simplest form.      =  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 909. Factor completely.  Enter the factors as a product of two binomials. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 910. Factor completely.  Enter the factors as a product of two binomials. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 911. Simplify.  Assume that all variables represent positive values.  Enter the exact answer. Do not enter a decimal approximation. Enter the original expression if it cannot be further simplified.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 912. Evaluate the expression for the given values of the variables.   for  and  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 913. Simplify. Assume that all variables result in nonzero denominators.  Enter the expression in simplest form. The numerator and denominator must be in expanded form (i.e., not a product of factors).         |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 914. If  , what is the value of  If the answer is not an integer, enter it as a fraction.  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 915. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 916. Simplify.   \_\_\_\_\_\_\_\_ |

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| 917. Find the distance between   and  .   and  The distance between   and   is \_\_\_\_\_\_\_\_ |

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| 918. Find the distance between   and  .   and  The distance between   and   is \_\_\_\_\_\_\_\_ |

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| 919. If  , what is the value of  If the answer is not an integer, enter it as a fraction.  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 920. Factor completely.  Enter the factors as a product of two binomials. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 921. Simplify.  Assume that all variables represent positive values.  Enter the exact answer. Do not enter a decimal approximation. Enter the original expression if it cannot be further simplified.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 922. Simplify.  Enter the original expression if it cannot be further simplified.     =     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 923. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 924. Simplify.   \_\_\_\_\_\_\_\_ |

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| 925. If  , what is the value of  If the answer is not an integer, enter it as a fraction.  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 926. Find the distance between   and  .   and  The distance between   and   is \_\_\_\_\_\_\_\_ |

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| 927. Simplify. Assume that all variables result in nonzero denominators.  Enter the expression in simplest form. The numerator and denominator must be in expanded form (i.e., not a product of factors).      \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 928. Simplify. Assume that all variables result in nonzero denominators.  Enter the expression in simplest form.        \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 929. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 930. Simplify.  Enter the original expression if it cannot be further simplified.     =     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 931. If  , what is the value of  If the answer is not an integer, enter it as a fraction.  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 932. Evaluate the expression for the given values of the variables.   for  and  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 933. Find the distance between   and  .   and  The distance between   and   is \_\_\_\_\_\_\_\_ |

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| 934. Simplify.  Enter the original expression if it cannot be further simplified.     =     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 935. Simplify.  Enter the expression in simplest form.         |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 936. If  , what is the value of  If the answer is not an integer, enter it as a fraction.  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 937. Find the distance between   and  .   and  The distance between   and   is \_\_\_\_\_\_\_\_ |

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| 938. Simplify.  Enter the expression in simplest form.         |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 939. Simplify.  Assume that all variables represent positive values.  Enter the exact answer. Do not enter a decimal approximation. Enter the original expression if it cannot be further simplified.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 940. Use the properties of exponents to simplify.  Enter the exact answer. Do not enter a decimal approximation. Enter any radical or fractional terms or factors in simplest form.      \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 941. Simplify.  ​     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 942. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 943. Simplify.  Enter the original expression if it cannot be further simplified.  ​     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 944. Simplify.  Enter the original expression if it cannot be further simplified.     =     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 945. Simplify.  Enter the expression in simplest form.         |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 946. If  , what is the value of  If the answer is not an integer, enter it as a fraction.  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 947. Simplify.  Enter the original expression if it cannot be further simplified.  ​     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 948. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 949. If  , what is the value of  If the answer is not an integer, enter it as a fraction.  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 950. Simplify. Use only positive exponents in simplified expressions.  Enter the original expression if it cannot be further simplified.  Assume that all variables represent nonzero numbers.  ​     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 951. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 952. Simplify. Use only positive exponents in simplified expressions.  Enter the original expression if it cannot be further simplified.  Assume that all variables represent nonzero numbers.  ​     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 953. Simplify. Assume that all variables result in nonzero denominators.  Enter the expression in simplest form.        \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 954. Factor completely.  Enter the factors as a product of two binomials. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 955. Simplify.  Assume that all variables represent positive values.  Enter the exact answer. Do not enter a decimal approximation. Enter the original expression if it cannot be further simplified.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 956. Simplify.  Enter the original expression if it cannot be further simplified.     =     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 957. Simplify.  Enter the original expression if it cannot be further simplified.     =     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 958. Divide and simplify. Assume all variables result in non-zero denominators.  Enter the expression in simplest form. The numerator and denominator must be in expanded form (i.e., not a product of factors).      \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 959. Simplify. Assume that all variables result in nonzero denominators.  Enter the expression in simplest form. The numerator and denominator must be in expanded form (i.e., not a product of factors).         |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 960. Find the distance between   and  .   and  The distance between   and   is \_\_\_\_\_\_\_\_ |

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| 961. If  , what is the value of  If the answer is not an integer, enter it as a fraction.  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 962. Simplify.  Enter the original expression if it cannot be further simplified.  ​     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 963. Simplify. Assume that all variables result in nonzero denominators.  Enter the expression in simplest form. The numerator and denominator must be in expanded form (i.e., not a product of factors).         |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 964. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 965. Simplify.  Enter the original expression if it cannot be further simplified.     =     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 966. Simplify.  ​     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 967. Simplify. Assume that all variables result in nonzero denominators.  Enter the expression in simplest form.        \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 968. Simplify.  Enter the original expression if it cannot be further simplified.  ​     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 969. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 970. Simplify. Assume that all variables result in nonzero denominators.  Enter the expression in simplest form. The numerator and denominator must be in expanded form (i.e., not a product of factors).         |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 971. Simplify.  Assume that all variables represent positive values.  Enter the exact answer. Do not enter a decimal approximation. Enter the original expression if it cannot be further simplified.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 972. Simplify.  Enter the original expression if it cannot be further simplified.     =     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 973. Simplify.  Enter the expression in simplest form.         |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 974. Simplify. Assume that all variables result in nonzero denominators.  Enter the expression in simplest form. The numerator and denominator must be in expanded form (i.e., not a product of factors).      \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 975. If  , what is the value of  If the answer is not an integer, enter it as a fraction.  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 976. Simplify.  Enter the original expression if it cannot be further simplified.     =     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 977. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 978. Find the distance between   and  .   and  The distance between   and   is \_\_\_\_\_\_\_\_ |

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| 979. Simplify.  Enter the original expression if it cannot be further simplified.     =     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 980. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 981. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 982. Simplify.  Enter the expression in simplest form.      =  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 983. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 984. Factor completely.  Enter the factors as a product of two binomials. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 985. Factor completely.  Enter the factors as a product of two binomials. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 986. Simplify.  Enter the original expression if it cannot be further simplified.     =     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 987. Simplify.  ​     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 988. Simplify.  Enter the exact answer. Do not enter a decimal approximation. Enter any fractional terms or factors in simplest form. Enter the original expression if it cannot be further simplified.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 989. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 990. Simplify.  Enter the original expression if it cannot be further simplified.         |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 991. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 992. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 993. Simplify.  Enter the original expression if it cannot be further simplified.  ​     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 994. Factor completely.  Enter the factors as a product of two binomials. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 995. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 996. Simplify.  Enter the expression in simplest form.         |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 997. Factor completely.  Enter the factors as a product of two binomials. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 998. Simplify. Assume that all variables result in nonzero denominators.  Enter the expression in simplest form. The numerator and denominator must be in expanded form (i.e., not a product of factors).         |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 999. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1000. Simplify.  Enter the original expression if it cannot be further simplified.     =     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 1001. Evaluate the expression for the given values of the variables.   for  and  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1002. Simplify. Assume that all variables result in nonzero denominators.  Enter the expression in simplest form. The numerator and denominator must be in expanded form (i.e., not a product of factors).      \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1003. Simplify. Assume that all variables result in nonzero denominators.  Enter the expression in simplest form. The numerator and denominator must be in expanded form (i.e., not a product of factors).         |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 1004. Simplify.  Enter the exact answer. Do not enter a decimal approximation. Enter any fractional terms or factors in simplest form. Enter the original expression if it cannot be further simplified.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1005. Factor completely.  Enter the factors as a product of two binomials. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1006. Simplify. Assume that all variables result in nonzero denominators.   Enter the expression in simplest form. The numerator and denominator must be in expanded form (i.e., not a product of factors).      \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1007. Factor completely.  Enter the factors as a product of two binomials. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1008. Simplify. Assume that all variables result in nonzero denominators.  Enter the expression in simplest form. The numerator and denominator must be in expanded form (i.e., not a product of factors).         |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 1009. Simplify. Assume that all variables result in nonzero denominators.  Enter the expression in simplest form.        \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1010. Simplify. Assume that all variables result in nonzero denominators.   Enter the expression in simplest form. The numerator and denominator must be in expanded form (i.e., not a product of factors).      \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1011. Simplify. Use only positive exponents in simplified expressions.  Enter the original expression if it cannot be further simplified.  Assume that all variables represent nonzero numbers.  ​     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 1012. Factor completely.  Enter the factors as a product of two binomials. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1013. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1014. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1015. Factor completely.  Enter the factors as a product of two binomials. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1016. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1017. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1018. Simplify.     = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1019. Factor completely.  Enter the factors as a product of two binomials. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1020. Simplify.   \_\_\_\_\_\_\_\_ |

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| 1021. Find the distance between   and  .   and  The distance between   and   is \_\_\_\_\_\_\_\_ |

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| 1022. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1023. Factor completely.  Enter the factors as a product of two binomials. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1024. Simplify. Use only positive exponents in simplified expressions.  Enter the original expression if it cannot be further simplified.  Assume that all variables represent nonzero numbers.  ​     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 1025. Simplify.  Enter the original expression if it cannot be further simplified.     =     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 1026. Simplify.  Assume that all variables represent positive values.  Enter the exact answer. Do not enter a decimal approximation. Enter the original expression if it cannot be further simplified.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1027. Find the distance between   and  .   and  The distance between   and   is \_\_\_\_\_\_\_\_ |

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| 1028. Simplify.  ​     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 1029. Simplify.  Enter the expression in simplest form.      =  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1030. Simplify.  Enter the expression in simplest form.      \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1031. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1032. Evaluate the expression for the given values of the variables.   for  and  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1033. Factor completely.  Enter the factors as a product of two binomials. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1034. Factor completely.  Enter the factors as a product of two binomials. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1035. Divide and simplify. Assume all variables result in non-zero denominators.  Enter the expression in simplest form. The numerator and denominator must be in expanded form (i.e., not a product of factors).      \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1036. Simplify.  Enter the expression in simplest form.      \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1037. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1038. Simplify.  Enter the original expression if it cannot be further simplified.  ​     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 1039. Evaluate the expression for the given values of the variables.   for  and  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1040. Simplify.  Enter the exact answer. Do not enter a decimal approximation. Enter any radical terms or factors in simplest form. Enter the original expression if it cannot be further simplified.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1041. Evaluate the expression for the given values of the variables.   for  and  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1042. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1043. Factor completely.  Enter the factors as a product of two binomials. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1044. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1045. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  ​ |

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| 1046. Simplify. Assume that all variables result in nonzero denominators.  Enter the expression in simplest form. The numerator and denominator must be in expanded form (i.e., not a product of factors).         |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 1047. Factor completely.  Enter the factors as a product of two binomials. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1048. Factor completely.  Enter the factors as a product of two binomials. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1049. Simplify.  Enter the original expression if it cannot be further simplified.     =     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 1050. Divide and simplify. Assume all variables result in non-zero denominators.  Enter the expression in simplest form. The numerator and denominator must be in expanded form (i.e., not a product of factors).      \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1051. Simplify.  Enter the exact answer. Do not enter a decimal approximation. Enter any radical terms or factors in simplest form. Enter the original expression if it cannot be further simplified.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1052. Simplify.  ​     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 1053. Factor completely.  Enter the factors as a product of two binomials. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1054. Simplify. Assume that all variables result in nonzero denominators.  Enter the expression in simplest form. The numerator and denominator must be in expanded form (i.e., not a product of factors).      \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1055. Simplify. Assume that all variables result in nonzero denominators.  Enter the expression in simplest form. The numerator and denominator must be in expanded form (i.e., not a product of factors).      \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1056. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1057. Simplify.  Enter the original expression if it cannot be further simplified.     =     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 1058. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1059. Simplify.  Enter the original expression if it cannot be further simplified.  ​     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 1060. Simplify.  Enter the expression in simplest form.      =  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1061. Simplify.  Enter the expression in simplest form.      =  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1062. Simplify. Assume that all variables result in nonzero denominators.  Enter the expression in simplest form. The numerator and denominator must be in expanded form (i.e., not a product of factors).      \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1063. Simplify.   \_\_\_\_\_\_\_\_ |

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| 1064. Evaluate the expression for the given values of the variables.   for  and  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1065. Evaluate the expression for the given values of the variables.   for  and  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1066. Simplify.  Assume that all variables represent positive values.  Enter the exact answer. Do not enter a decimal approximation. Enter the original expression if it cannot be further simplified.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1067. Divide and simplify. Assume all variables result in non-zero denominators.  Enter the expression in simplest form. The numerator and denominator must be in expanded form (i.e., not a product of factors).      \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1068. Simplify. Assume that all variables result in nonzero denominators.  Enter the expression in simplest form. The numerator and denominator must be in expanded form (i.e., not a product of factors).      \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1069. Simplify.  ​     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 1070. Use the properties of exponents to simplify.  Enter the exact answer. Do not enter a decimal approximation. Enter any radical or fractional terms or factors in simplest form.      \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1071. Simplify.  Assume that all variables represent positive values.  Enter the exact answer. Do not enter a decimal approximation. Enter the original expression if it cannot be further simplified.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1072. Simplify. Assume that all variables result in nonzero denominators.  Enter the expression in simplest form.        \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1073. Evaluate the expression for the given values of the variables.   for  and  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1074. Simplify. Use only positive exponents in simplified expressions.  Enter the original expression if it cannot be further simplified.  Assume that all variables represent nonzero numbers.  ​     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 1075. Simplify. Assume that all variables result in nonzero denominators.   Enter the expression in simplest form. The numerator and denominator must be in expanded form (i.e., not a product of factors).      \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1076. If  , what is the value of  If the answer is not an integer, enter it as a fraction.  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1077. Evaluate the expression for the given values of the variables.   for  and  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1078. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  ​ |

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| 1079. Simplify. Assume that all variables result in nonzero denominators.  Enter the expression in simplest form. The numerator and denominator must be in expanded form (i.e., not a product of factors).      \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1080. Simplify.   \_\_\_\_\_\_\_\_ |

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| 1081. Factor completely.  Enter the factors as a product of two binomials. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1082. Simplify.  Enter the expression in simplest form.      =  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1083. Simplify.  Enter the original expression if it cannot be further simplified.     =     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 1084. Simplify.  Enter the original expression if it cannot be further simplified.     =     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 1085. Evaluate the expression for the given values of the variables.   for  and  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1086. If  , what is the value of  If the answer is not an integer, enter it as a fraction.  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1087. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1088. Evaluate the expression for the given values of the variables.   for  and  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1089. Evaluate the expression for the given values of the variables.   for  and  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1090. Simplify.  Enter the expression in simplest form.         |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 1091. Simplify.  Enter the original expression if it cannot be further simplified.     =     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 1092. Simplify.  Assume that all variables represent positive values.  Enter the exact answer. Do not enter a decimal approximation. Enter the original expression if it cannot be further simplified.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1093. Simplify.  Enter the original expression if it cannot be further simplified.         |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 1094. Simplify.  Enter the original expression if it cannot be further simplified.  ​     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 1095. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1096. Simplify.  Enter the original expression if it cannot be further simplified.     =     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 1097. If  , what is the value of  If the answer is not an integer, enter it as a fraction.  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1098. Simplify.  Enter the exact answer. Do not enter a decimal approximation. Enter any fractional terms or factors in simplest form. Enter the original expression if it cannot be further simplified.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1099. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1100. Simplify.  Enter the expression in simplest form.      \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1101. Simplify.  Enter the expression in simplest form.      =  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1102. Simplify.   \_\_\_\_\_\_\_\_ |

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| 1103. Simplify. Use only positive exponents in simplified expressions.  Enter the original expression if it cannot be further simplified.  Assume that all variables represent nonzero numbers.  ​     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 1104. Simplify.  Enter the original expression if it cannot be further simplified.  ​     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 1105. If  , what is the value of  If the answer is not an integer, enter it as a fraction.  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1106. Evaluate the expression for the given values of the variables.   for  and  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1107. Simplify. Assume that all variables result in nonzero denominators.   Enter the expression in simplest form. The numerator and denominator must be in expanded form (i.e., not a product of factors).      \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1108. Simplify.  Enter the exact answer. Do not enter a decimal approximation. Enter any fractional terms or factors in simplest form. Enter the original expression if it cannot be further simplified.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1109. Factor completely.  Enter the factors as a product of two binomials. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1110. Factor completely.  Enter the factors as a product of two binomials. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1111. Factor completely.  Enter the factors as a product of two binomials. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1112. Simplify.  Enter the expression in simplest form.         |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 1113. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1114. Simplify.  Enter the expression in simplest form.      \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1115. Simplify.  Enter the original expression if it cannot be further simplified.     =     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 1116. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1117. Simplify.  Enter the original expression if it cannot be further simplified.     =     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 1118. Simplify.  ​     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 1119. Simplify.  Enter the expression in simplest form.         |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 1120. Simplify. Assume that all variables result in nonzero denominators.   Enter the expression in simplest form. The numerator and denominator must be in expanded form (i.e., not a product of factors).      \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1121. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1122. Simplify.      =  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1123. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1124. Simplify.  Enter the original expression if it cannot be further simplified.  ​     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 1125. Factor completely.  Enter the factors as a product of two binomials. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1126. Factor completely.  Enter the factors as a product of two binomials. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1127. Factor completely.  Enter the factors as a product of two binomials. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1128. Find the distance between   and  .   and  The distance between   and   is \_\_\_\_\_\_\_\_ |

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| 1129. If  , what is the value of  If the answer is not an integer, enter it as a fraction.  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1130. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1131. Find the distance between   and  .   and  The distance between   and   is \_\_\_\_\_\_\_\_ |

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| 1132. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1133. Simplify.  Enter the original expression if it cannot be further simplified.     =     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 1134. Simplify. Assume that all variables result in nonzero denominators.  Enter the expression in simplest form. The numerator and denominator must be in expanded form (i.e., not a product of factors).      \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1135. Simplify.  Enter the expression in simplest form.         |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 1136. Simplify.  Enter the expression in simplest form.      =  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1137. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1138. Simplify. Assume that all variables result in nonzero denominators.  Enter the expression in simplest form.        \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1139. Simplify.  Enter the expression in simplest form.         |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 1140. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1141. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1142. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1143. Simplify. Assume that all variables result in nonzero denominators.  Enter the expression in simplest form. The numerator and denominator must be in expanded form (i.e., not a product of factors).      \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1144. If  , what is the value of  If the answer is not an integer, enter it as a fraction.  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1145. If  , what is the value of  If the answer is not an integer, enter it as a fraction.  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1146. Simplify.  Enter the original expression if it cannot be further simplified.     =     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 1147. Factor completely.  Enter the factors as a product of two binomials. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1148. Simplify.  ​     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 1149. Factor completely.  Enter the factors as a product of two binomials. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1150. Simplify.  Enter the original expression if it cannot be further simplified.     =     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 1151. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1152. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1153. Simplify.  Enter the expression in simplest form.      =  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1154. If  , what is the value of  If the answer is not an integer, enter it as a fraction.  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1155. Simplify. Assume that all variables result in nonzero denominators.   Enter the expression in simplest form. The numerator and denominator must be in expanded form (i.e., not a product of factors).      \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1156. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1157. Simplify.      =  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1158. Simplify.  ​     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 1159. Simplify.  Enter the original expression if it cannot be further simplified.         |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 1160. Factor completely.  Enter the factors as a product of two binomials. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1161. Evaluate the expression for the given values of the variables.   for  and  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1162. Factor completely.  Enter the factors as a product of two binomials. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1163. If  , what is the value of  If the answer is not an integer, enter it as a fraction.  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1164. Simplify. Use only positive exponents in simplified expressions.  Enter the original expression if it cannot be further simplified.  Assume that all variables represent nonzero numbers.  ​     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 1165. Evaluate the expression for the given values of the variables.   for  and  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1166. Factor completely.  Enter the factors. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1167. Simplify.  ​     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 1168. Simplify.      =  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1169. Simplify.  Enter the original expression if it cannot be further simplified.     =     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 1170. If  , what is the value of  If the answer is not an integer, enter it as a fraction.  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1171. Factor completely.  Enter the factors as a product of two binomials. Enter the original expression if it cannot be factored.  ​    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1172. Find the distance between   and  .   and  The distance between   and   is \_\_\_\_\_\_\_\_ |

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| 1173. Simplify.  ​     |  | | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| 1174. Simplify.  Enter the expression in simplest form.      =  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1175. Order the numbers from least to greatest   |  |  |  | | --- | --- | --- | |  | 1. | 0.75 | |  | 2. |  | |  | 3. |  | |  | 4. | 3 | |  | 5. | 4.9 | |

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| 1176. Order the numbers from least to greatest.   |  |  |  | | --- | --- | --- | |  | 1. |  | |  | 2. |  | |  | 3. | 2.83 | |  | 4. | 0.6 | |  | 5. | 1 | |

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| 1177. Order the numbers from least to greatest.   |  |  |  | | --- | --- | --- | |  | 1. |  | |  | 2. | 3 | |  | 3. | 4.9 | |  | 4. | 0.6 | |  | 5. |  | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1178. Order the numbers from least to greatest.   |  |  |  | | --- | --- | --- | |  | 1. | 1 | |  | 2. |  | |  | 3. |  | |  | 4. | 2.83 | |  | 5. | 0.75 | |

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| 1179. Order real numbers from least to greatest   |  |  |  | | --- | --- | --- | |  | 1. |  | |  | 2. |  | |  | 3. | 2.83 | |  | 4. | 0.57 | |  | 5. | 1 | |

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| 1180. Order the numbers from least to greatest.   |  |  |  | | --- | --- | --- | |  | 1. | 0.67 | |  | 2. |  | |  | 3. |  | |  | 4. | 3 | |  | 5. | 4.9 | |

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| 1181. Order the numbers from least to greatest   |  |  |  | | --- | --- | --- | |  | 1. |  | |  | 2. |  | |  | 3. | 2.5 | |  | 4. | 4.47 | |  | 5. | .8 | |

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| 1182. Ordering Real Numbers--Variation 4   |  |  |  | | --- | --- | --- | |  | 1. |  | |  | 2. |  | |  | 3. | 3 | |  | 4. | 4.9 | |  | 5. | 0.8 | |

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| 1183. Order the numbers from least to greatest.   |  |  |  | | --- | --- | --- | |  | 1. |  | |  | 2. |  | |  | 3. | 2.5 | |  | 4. | 4.47 | |  | 5. | 0.75 | |

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| 1184. Order the numbers from least to greatest.   |  |  |  | | --- | --- | --- | |  | 1. | 2.83 | |  | 2. |  | |  | 3. | 0.29 | |  | 4. | 1 | |  | 5. |  | |

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| 1185. Order the numbers from least to greatest.   |  |  |  | | --- | --- | --- | |  | 1. | 4.9 | |  | 2. | 0.57 | |  | 3. |  | |  | 4. |  | |  | 5. | 3 | |

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| 1186. Order the numbers from least to greatest   |  |  |  | | --- | --- | --- | |  | 1. | 1.5 | |  | 2. |  | |  | 3. | 3.46 | |  | 4. | 0.75 | |  | 5. |  | |

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| 1187. Order the numbers from least to greatest.   |  |  |  | | --- | --- | --- | |  | 1. | 1 | |  | 2. |  | |  | 3. | 2.83 | |  | 4. |  | |  | 5. | 0.29 | |

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| 1188. Order the numbers from least to greatest.   |  |  |  | | --- | --- | --- | |  | 1. |  | |  | 2. | 3 | |  | 3. | 4.9 | |  | 4. | 0.4 | |  | 5. |  | |

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| 1189. Order the numbers from least to greatest.   |  |  |  | | --- | --- | --- | |  | 1. | .86 | |  | 2. | 7/6 | |  | 3. |  | |  | 4. | 4.9 | |

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| 1190. Find the additive inverse and the multiplicative inverse of    The additive inverse is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ .  The multiplicative inverse is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ . |

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| 1191. Simplify.    When  :  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  When  : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1192. Simplify. Write the number in scientific notation.  *Enter the numeric part in the first space and the exponent to which 10 is raised in the second space.*   |  |  |  |  | | --- | --- | --- | --- | | = | \_\_\_\_\_\_\_\_ |  | \_\_\_\_\_\_\_\_ |   ​ |

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| 1193. Find the additive inverse and the multiplicative inverse of    The additive inverse is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ .  The multiplicative inverse is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ . |

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| 1194. Simplify.    When  :  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  When  : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1195. Simplify. Write the number in scientific notation.  *Enter the numeric part in the first space and the exponent to which 10 is raised in the second space.*   |  |  |  |  | | --- | --- | --- | --- | | = | \_\_\_\_\_\_\_\_ |  | \_\_\_\_\_\_\_\_ |   ​ |

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| 1196. Simplify. Write the number in scientific notation.  *Enter the numeric part in the first space and the exponent to which 10 is raised in the second space.*   |  |  |  |  | | --- | --- | --- | --- | | = | \_\_\_\_\_\_\_\_ |  | \_\_\_\_\_\_\_\_ |   ​ |

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| 1197. Simplify.    When  :  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  When  : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  ​ |

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| 1198. Find the additive inverse and the multiplicative inverse of    The additive inverse is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ .  The multiplicative inverse is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ . |

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| 1199. Simplify. Write the number in scientific notation.  *Enter the numeric part in the first space and the exponent to which 10 is raised in the second space.*   |  |  |  |  | | --- | --- | --- | --- | | = | \_\_\_\_\_\_\_\_ |  | \_\_\_\_\_\_\_\_ |   ​ |

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| 1200. Write the the set using roster notation.  “all positive powers of 10 ”.  The set in roster notation is  \_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_, |

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| 1201. Simplify.    When  :  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  When  : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1202. Simplify. Write the number in scientific notation.  *Enter the numeric part in the first space and the exponent to which 10 is raised in the second space.*   |  |  |  |  | | --- | --- | --- | --- | | = | \_\_\_\_\_\_\_\_ |  | \_\_\_\_\_\_\_\_ |   ​ |

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| 1203. Simplify. Write the number in scientific notation.  *Enter the numeric part in the first space and the exponent to which 10 is raised in the second space.*   |  |  |  |  | | --- | --- | --- | --- | | = | \_\_\_\_\_\_\_\_ |  | \_\_\_\_\_\_\_\_ |   ​ |

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| 1204. Simplify.    When  :  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  When  : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1205. Simplify.    When  :  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  When  : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1206. Simplify. Write the number in scientific notation.  *Enter the numeric part in the first space and the exponent to which 10 is raised in the second space.*   |  |  |  |  | | --- | --- | --- | --- | | = | \_\_\_\_\_\_\_\_ |  | \_\_\_\_\_\_\_\_ |   ​ |

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| 1207. Simplify.    When  :  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  When  : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1208. Simplify.    When  :  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  When  : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1209. Simplify. Write the number in scientific notation.  *Enter the numeric part in the first space and the exponent to which 10 is raised in the second space.*   |  |  |  |  | | --- | --- | --- | --- | | = | \_\_\_\_\_\_\_\_ |  | \_\_\_\_\_\_\_\_ |   ​ |

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| 1210. Simplify.    When  :  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  When  : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1211. Simplify. Write the number in scientific notation.  *Enter the numeric part in the first space and the exponent to which 10 is raised in the second space.*   |  |  |  |  | | --- | --- | --- | --- | | = | \_\_\_\_\_\_\_\_ |  | \_\_\_\_\_\_\_\_ |   ​ |

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| 1212. Simplify.    When  :  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  When  : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1213. Simplify. Write the number in scientific notation.  *Enter the numeric part in the first space and the exponent to which 10 is raised in the second space.*   |  |  |  |  | | --- | --- | --- | --- | | = | \_\_\_\_\_\_\_\_ |  | \_\_\_\_\_\_\_\_ |   ​ |

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| 1214. Simplify. Write the number in scientific notation.  *Enter the numeric part in the first space and the exponent to which 10 is raised in the second space.*   |  |  |  |  | | --- | --- | --- | --- | | = | \_\_\_\_\_\_\_\_ |  | \_\_\_\_\_\_\_\_ |   ​ |

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| 1215. Find the additive inverse and the multiplicative inverse of    The additive inverse is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ .  The multiplicative inverse is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ . |

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| 1216. Simplify. Write the number in scientific notation.  *Enter the numeric part in the first space and the exponent to which 10 is raised in the second space.*   |  |  |  |  | | --- | --- | --- | --- | | = | \_\_\_\_\_\_\_\_ |  | \_\_\_\_\_\_\_\_ |   ​ |

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| 1217. Simplify. Write the number in scientific notation.  *Enter the numeric part in the first space and the exponent to which 10 is raised in the second space.*   |  |  |  |  | | --- | --- | --- | --- | | = | \_\_\_\_\_\_\_\_ |  | \_\_\_\_\_\_\_\_ |   ​ |

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| 1218. Simplify. Write the number in scientific notation.  *Enter the numeric part in the first space and the exponent to which 10 is raised in the second space.*   |  |  |  |  | | --- | --- | --- | --- | | = | \_\_\_\_\_\_\_\_ |  | \_\_\_\_\_\_\_\_ |   ​ |

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| 1219. Write the the set using roster notation.  “all prime numbers ”.  The set in roster notation is  \_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_, |

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| 1220. \Simplify.    When  :  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  When  : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1221. Simplify.    When  :  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  When  : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1222. Write the the set using roster notation.  “all positive multiples of 2 ”.  The set in roster notation is  \_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_, |

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| 1223. Simplify.    When  :  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  When  : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1224. Simplify. Write the number in scientific notation.  *Enter the numeric part in the first space and the exponent to which 10 is raised in the second space.*   |  |  |  |  | | --- | --- | --- | --- | | = | \_\_\_\_\_\_\_\_ |  | \_\_\_\_\_\_\_\_ |   ​ |

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| 1225. Simplify.    When  :  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  When  : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

**Answer Key**

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| 1. b |

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| 2. d |

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| 3. f |

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| 4. e |

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| --- |
| 5. a |

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| --- |
| 6. b |

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| --- |
| 7. a |

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| --- |
| 8. d |

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| --- |
| 9. d |

|  |
| --- |
| 10. d |

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| --- |
| 11. e |

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| --- |
| 12. b |

|  |
| --- |
| 13. e |

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| --- |
| 14. c |

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| 15. b |

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| --- |
| 16. a |

|  |
| --- |
| 17. b |

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| --- |
| 18. c |

|  |
| --- |
| 19. e |

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| --- |
| 20. b |

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| --- |
| 21. b |

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| --- |
| 22. b |

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| --- |
| 23. a |

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| --- |
| 24. b |

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| --- |
| 25. d |

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| --- |
| 26. b |

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| 27. f |

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| 28. f |

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| 29. a |

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| --- |
| 30. d |

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| --- |
| 31. c |

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| --- |
| 32. b |

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| --- |
| 33. e |

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| --- |
| 34. d |

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| --- |
| 35. b |

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| 36. e |

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| 37. b |

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| --- |
| 38. c |

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| --- |
| 39. d |

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| --- |
| 40. e |

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| --- |
| 41. b |

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| --- |
| 42. d |

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| --- |
| 43. a |

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| --- |
| 44. d |

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| 45. d |

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| --- |
| 46. d |

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| --- |
| 47. e |

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| --- |
| 48. f |

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| --- |
| 49. c |

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| --- |
| 50. d |

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| --- |
| 51. d |

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| --- |
| 52. c |

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| --- |
| 53. c |

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| 54. a |

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| --- |
| 55. a |

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| --- |
| 56. d |

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| --- |
| 57. e |

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| --- |
| 58. d |

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| 59. a |

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| --- |
| 60. d |

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| 61. b |

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| 62. b |

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| --- |
| 63. a |

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| 64. a |

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| --- |
| 65. d |

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| --- |
| 66. c |

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| 67. e |

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| --- |
| 68. d |

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| --- |
| 69. d |

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| --- |
| 70. c |

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| --- |
| 71. b |

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| --- |
| 72. c |

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| --- |
| 73. c |

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| 74. b |

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| 75. a |

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| --- |
| 76. d |

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| --- |
| 77. d |

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| --- |
| 78. a |

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| --- |
| 79. c |

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| --- |
| 80. b |

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| --- |
| 81. e |

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| --- |
| 82. c |

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| --- |
| 83. b |

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| --- |
| 84. d |

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| --- |
| 85. d |

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| --- |
| 86. c |

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| --- |
| 87. b |

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| --- |
| 88. d |

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| --- |
| 89. e |

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| --- |
| 90. b |

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| --- |
| 91. b |

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| --- |
| 92. a |

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| --- |
| 93. b |

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| --- |
| 94. d |

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| --- |
| 95. d |

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| --- |
| 96. d |

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| --- |
| 97. c |

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| --- |
| 98. d |

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| --- |
| 99. d |

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| --- |
| 100. e |

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| --- |
| 101. b |

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| --- |
| 102. c |

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| --- |
| 103. a |

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| 104. d |

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| 105. b |

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| 106. b |

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| 107. a |

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| 108. f |

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| 109. b |

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| 110. a |

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| 111. b |

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| 112. b |

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| 113. c |

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| 114. c |

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| 115. a |

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| 116. b |

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| 117. b |

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| 118. c |

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| 119. b |

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| 120. d |

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| 121. c |

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| 122. b |

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| 123. c |

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| 124. c |

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| 125. b |

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| 126. d |

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| 127. b |

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| 128. d |

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| 129. e |

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| 130. b |

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| 131. b |

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| 132. a |

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| 133. b |

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| 134. a |

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| 135. b |

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| 136. c |

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| 137. c |

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| 138. e |

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| 139. c |

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| 140. b |

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| 141. a |

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| 142. b |

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| 143. b |

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| 144. a |

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| 145. d |

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| 146. c |

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| 147. b |

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| 148. b |

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| 149. b |

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| 150. b |

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| 151. a |

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| 152. b |

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| 153. c |

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| 154. d |

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| 155. d |

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| 156. c |

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| 157. a |

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| 158. b |

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| 159. b |

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| 160. e |

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| 161. d |

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| 162. a |

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| 163. a |

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| 164. d |

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| 165. a |

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| 166. c |

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| 167. a |

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| 168. d |

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| 169. c |

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| 170. d |

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| 171. c |

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| 172. a |

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| 173. a |

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| 174. d |

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| 175. b |

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| 176. b |

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| 177. b |

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| 178. d |

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| 179. e |

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| 180. c |

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| 181. b |

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| 182. b |

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| 183. c |

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| 184. b |

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| 185. d |

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| 186. f |

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| 187. c |

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| 188. b |

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| 189. d |

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| 190. b |

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| 191. a |

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| 192. c |

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| 193. d |

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| 194. c |

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| 195. e |

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| 196. d |

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| 197. a |

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| 198. c |

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| 199. a |

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| 200. d |

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| 201. c |

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| 202. c |

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| 203. d |

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| 204. b |

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| 205. e |

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| 206. e |

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| 207. e |

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| 208. c |

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| 209. b |

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| 210. a |

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| 211. c |

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| 212. a |

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| 213. a |

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| 214. d |

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| 215. c |

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| 216. d |

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| 217. b |

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| 218. b |

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| 219. c |

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| 220. c |

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| 221. b |

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| 222. d |

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| 223. c |

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| 224. c |

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| 225. d |

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| 226. b |

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| 227. b |

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| 228. b |

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| 229. d |

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| 230. c |

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| 231. d |

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| 232. b |

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| 233. a |

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| 234. c |

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| 235. b |

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| 237. d |

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| 238. e |

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| 239. b |

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| 240. b |

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| 241. c |

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| 242. d |

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| 243. a |

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| 244. b |

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| 245. b |

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| 246. c |

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| 247. b |

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| 248. c |

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| 249. a |

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| 250. a |

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| 251. e |

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| 252. f |

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| 253. b |

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| 254. a |

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| 255. c |

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| 256. c |

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| 257. f |

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| 258. b |

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| 259. a |

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| 260. b |

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| 261. c |

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| 262. d |

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| 263. b |

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| 264. c |

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| 265. b |

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| 266. c |

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| 267. d |

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| 268. c |

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| 269. b |

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| 270. b |

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| 271. d |

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| 272. f |

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| 273. b |

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| 274. d |

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| 275. c |

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| 276. f |

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| 277. a |

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| 278. d |

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| 279. b |

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| 280. c |

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| 281. a |

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| 282. b |

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| 283. d |

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| 284. b |

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| 285. c |

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| 286. d |

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| 288. a |

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| 290. c |

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| 291. d |

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| 292. d |

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| 293. d |

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| 294. a |

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| 295. b |

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| 296. b |

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| 297. b |

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| 298. d |

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| 299. d |

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| 300. b |

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| 301. a |

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| 302. d |

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| 303. e |

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| 304. c |

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| 305. c |

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| 306. a |

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| 307. e |

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| 308. a |

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| 309. d |

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| 310. a |

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| 311. a |

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| 312. a |

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| 313. f |

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| 314. a |

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| 315. c |

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| 316. d |

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| 317. d |

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| 318. b |

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| 320. d |

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| 321. c |

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| 323. b |

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| 324. a |

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| 326. e |

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| 329. a |

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| 330. b |

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| 331. f |

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| 332. e |

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| 333. b |

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| 334. c |

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| 335. d |

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| 336. d |

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| 337. e |

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| 338. d |

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| 339. c |

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| 340. b |

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| 341. e |

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| 342. a |

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| 343. b |

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| 344. e |

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| 345. b |

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| 346. b |

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| 348. d |

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| 349. a |

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| 356. b |

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| 361. c |

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| 362. b |

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| 363. b |

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| 364. a |

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| 365. d |

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| 366. c |

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| 368. f |

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| 369. c |

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| 370. b |

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| 371. b |

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| 372. a |

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| 373. c |

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| 374. a |

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| 375. b |

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| 376. c |

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| 377. b |

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| 378. a |

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| 379. b |

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| 380. d |

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| 381. d |

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| 382. b |

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| 383. c |

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| 384. a |

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| 385. d |

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| 386. f |

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| 387. d |

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| 388. c |

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| 389. d |

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| 390. c |

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| 391. a |

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| 392. c |

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| 393. c |

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| 394. d |

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| 395. a |

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| 396. d |

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| 398. a |

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| 399. b |

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| 406. f |

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| 407. a |

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| 408. b |

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| 409. c |

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| 410. a |

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| 411. b |

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| 412. d |

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| 413. f |

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| 415. b |

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| 416. b |

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| 418. b |

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| 419. d |

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| 420. a |

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| 421. d |

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| 422. c |

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| 423. a |

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| 426. a |

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| 427. d |

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| 429. a |

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| 434. a |

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| 437. a |

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| 438. a |

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| 445. c |

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| 446. a |

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| 448. d |

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| 452. c |

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| 458. a |

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| 462. b |

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| 463. c |

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| 466. a |

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| 468. b |

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| 471. b |

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| 474. c |

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| 475. e |

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| 476. d |

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| 477. d |

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| 478. d |

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| 480. a |

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| 481. d |

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| 482. a |

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| 485. c |

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| 497. e |

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| 498. c |

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| 499. b |

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| 500. f |

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| 501. a |

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| 503. e |

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| 504. d |

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| 505. c |

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| 521. e |

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| 523. d |

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| 524. a |

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| 525. a |

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| 526. a, d |

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| 527. a, d |

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| 528. c, h |

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| 529. d, f |

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| 530. c, d |

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| 531. d |

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| 532. d, g |

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| 533. e |

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| 534. b, d |

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| 535. c, e |

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| 536. c |

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| 537. c, e |

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| 538. c, f |

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| 539. d, i |

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| 540. d, f |

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| 541. a |

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| 542. a, d |

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| 543. a |

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| 544. g |

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| 545. c, e |

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| 546. g |

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| 547. a, b |

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| 548. d, i |

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| 549. a, d |

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| 550. e, f |

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| 551. b, f |

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| 552. c, e |

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| 553. e, f |

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| 554. d, h |

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| 555. a, c |

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| 556. b, d |

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| 557. d, f |

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| 558. a, h |

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| 560. b, e |

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| 561. d, i |

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| 562. b, f |

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| 563. b, c |

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| 564. c, h |

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| 565. a, b |

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| 567. b, d |

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| 568. b, f |

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| 569. a, c |

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| 570. b, d |

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| 571. d, e |

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| 572. a, d |

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| 573. b, d |

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| 579. a, c |

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| 580. b, c |

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| 581. c, d |

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| 582. g |

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| 584. e, f |

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| 585. b, d |

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| 588. a, d |

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| 590. c, f |

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| 591. e, f |

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| 593. c, f |

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| 597. c, d |

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| 630. a, f |

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| 1175. 1, 2, 3, 4, 5 |

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| 1176. 4, 5, 1, 2, 3 |

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| 1177. 4, 5, 1, 2, 3 |

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| 1179. 4, 5, 1, 2, 3 |

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| 1185. 2, 3, 4, 5, 1 |

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