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| 1.   |  |  |  | | --- | --- | --- | |  | a. | True | |  | b. | False |  |  |  | | --- | --- | | *ANSWER:* | False | | *POINTS:* | 1 | | *QUESTION TYPE:* | True / False | | *HAS VARIABLES:* | True | | *DATE CREATED:* | 12/25/2015 9:33 AM | | *DATE MODIFIED:* | 12/25/2015 9:33 AM | |

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| 2. Suppose *a* and *b* are real numbers other than zero and that . State whether the inequality is true or false.  ​   |  |  |  | | --- | --- | --- | |  | a. | True | |  | b. | False |  |  |  | | --- | --- | | *ANSWER:* | False | | *POINTS:* | 1 | | *QUESTION TYPE:* | True / False | | *HAS VARIABLES:* | True | | *DATE CREATED:* | 12/25/2015 9:33 AM | | *DATE MODIFIED:* | 12/25/2015 9:33 AM | |

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| 3. Determine whether the statement below is true for all real numbers *d*.  ​   |  |  |  | | --- | --- | --- | |  | a. | True | |  | b. | False |  |  |  | | --- | --- | | *ANSWER:* | False | | *POINTS:* | 1 | | *QUESTION TYPE:* | True / False | | *HAS VARIABLES:* | True | | *DATE CREATED:* | 12/25/2015 9:33 AM | | *DATE MODIFIED:* | 12/28/2015 1:56 AM | |

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| 4. If *a* < *b*, then *a* - *c*  >*b* - *c*.   |  |  |  | | --- | --- | --- | |  | a. | True | |  | b. | False |  |  |  | | --- | --- | | *ANSWER:* | False | | *POINTS:* | 1 | | *QUESTION TYPE:* | True / False | | *HAS VARIABLES:* | True | | *DATE CREATED:* | 12/25/2015 9:33 AM | | *DATE MODIFIED:* | 12/25/2015 9:33 AM | |

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| 5. A manufacturer of a certain commodity has estimated that her profit in thousands of dollars is given by the expression  ​  ​  where *x* (in thousands) is the number of units produced.  ​  What production range will enable the manufacturer to realize a profit of at least $6,000 on the commodity?  ​   |  |  |  | | --- | --- | --- | |  | a. | Between 1,000 and 9,000 units. | |  | b. | Between 5,000 and 10,000 units. | |  | c. | Between 5,000 and 6,000 units. | |  | d. | Between 1,000 and 6,000 units. | |  | e. | Between 1,000 and 10,000 units. |  |  |  | | --- | --- | | *ANSWER:* | d | | *POINTS:* | 1 | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | True | | *DATE CREATED:* | 12/25/2015 9:33 AM | | *DATE MODIFIED:* | 12/25/2015 9:33 AM | |

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| 6. Rationalize the numerator of the expression.  ​  ​   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  |  |  |  | | --- | --- | | *ANSWER:* | c | | *POINTS:* | 1 | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 12/25/2015 9:33 AM | | *DATE MODIFIED:* | 12/25/2015 9:33 AM | |

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| 7. Use the fact that to evaluate the expression without using a calculator.  ​  ​   |  |  |  | | --- | --- | --- | |  | a. | 316,200 | |  | b. | 316.2 | |  | c. | 31.62 | |  | d. | 31,620 | |  | e. | 3,162,000 |  |  |  | | --- | --- | | *ANSWER:* | d | | *POINTS:* | 1 | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | True | | *DATE CREATED:* | 12/25/2015 9:33 AM | | *DATE MODIFIED:* | 12/25/2015 9:33 AM | |

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| 8. Simplify the expression. (Assume that *r*, *s*, and *t* are positive.)  ​  ​   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. | ​ | |  | e. | ​ |  |  |  | | --- | --- | | *ANSWER:* | d | | *POINTS:* | 1 | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | True | | *DATE CREATED:* | 12/25/2015 9:33 AM | | *DATE MODIFIED:* | 12/25/2015 9:33 AM | |

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| 9. Evaluate the expression.  ​  ​   |  |  |  | | --- | --- | --- | |  | a. | 8 | |  | b. | –9 | |  | c. | –8 | |  | d. | –16 | |  | e. | 9 |  |  |  | | --- | --- | | *ANSWER:* | c | | *POINTS:* | 1 | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | True | | *DATE CREATED:* | 12/25/2015 9:33 AM | | *DATE MODIFIED:* | 12/25/2015 9:33 AM | |

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| 10. Determine whether the statement is true or false.  ​  ​   |  |  |  | | --- | --- | --- | |  | a. | True | |  | b. | False |  |  |  | | --- | --- | | *ANSWER:* | a | | *POINTS:* | 1 | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | True | | *DATE CREATED:* | 12/25/2015 9:33 AM | | *DATE MODIFIED:* | 12/25/2015 9:33 AM | |

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| 11. Determine whether the statement is true or false.  ​  ​   |  |  |  | | --- | --- | --- | |  | a. | False | |  | b. | True |  |  |  | | --- | --- | | *ANSWER:* | b | | *POINTS:* | 1 | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | True | | *DATE CREATED:* | 12/25/2015 9:33 AM | | *DATE MODIFIED:* | 12/25/2015 9:33 AM | |

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| 12. Show the interval  on a number line.  ​   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | ​ | b. |  | |  | c. |  | d. |  | |  | e. |  |  |  |  |  |  | | --- | --- | | *ANSWER:* | b | | *POINTS:* | 1 | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | True | | *DATE CREATED:* | 12/25/2015 9:33 AM | | *DATE MODIFIED:* | 12/25/2015 9:33 AM | |

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| 13. Evaluate the expression.  ​  ​   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. | ​ |  |  |  | | --- | --- | | *ANSWER:* | c | | *POINTS:* | 1 | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | True | | *DATE CREATED:* | 12/25/2015 9:33 AM | | *DATE MODIFIED:* | 2/19/2016 5:24 AM | |

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| 14. Suppose *a* and *b* are real numbers other than zero and that . State whether the inequality is true or false.  ​  ​   |  |  |  | | --- | --- | --- | |  | a. | False | |  | b. | True |  |  |  | | --- | --- | | *ANSWER:* | a | | *POINTS:* | 1 | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | True | | *DATE CREATED:* | 12/25/2015 9:33 AM | | *DATE MODIFIED:* | 12/25/2015 9:33 AM | |

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| 15. Evaluate the expression.  ​  ​   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. | ​ | |  | d. |  | |  | e. |  |  |  |  | | --- | --- | | *ANSWER:* | a | | *POINTS:* | 1 | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | True | | *DATE CREATED:* | 12/25/2015 9:33 AM | | *DATE MODIFIED:* | 2/19/2016 5:58 AM | |

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| 16. Rewrite the expression using positive exponents only.  ​  ​   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. | ​ |  |  |  | | --- | --- | | *ANSWER:* | b | | *POINTS:* | 1 | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | True | | *DATE CREATED:* | 12/25/2015 9:33 AM | | *DATE MODIFIED:* | 12/25/2015 9:33 AM | |

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| 17. Simplify the expression. (Assume *x* and *y* are positive.)  ​  ​   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. | ​ | |  | c. | ​ | |  | d. | ​ | |  | e. | ​ |  |  |  | | --- | --- | | *ANSWER:* | e | | *POINTS:* | 1 | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | True | | *DATE CREATED:* | 12/25/2015 9:33 AM | | *DATE MODIFIED:* | 2/19/2016 6:05 AM | |

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| 18. Determine whether the statement below is true for positive real numbers *c*.  ​  ​   |  |  |  | | --- | --- | --- | |  | a. | False | |  | b. | True |  |  |  | | --- | --- | | *ANSWER:* | b | | *POINTS:* | 1 | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | True | | *DATE CREATED:* | 12/25/2015 9:33 AM | | *DATE MODIFIED:* | 12/28/2015 1:58 AM | |

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| 19. Rationalize the denominator of the expression.  ​  ​   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  |  |  |  | | --- | --- | | *ANSWER:* | d | | *POINTS:* | 1 | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | True | | *DATE CREATED:* | 12/25/2015 9:33 AM | | *DATE MODIFIED:* | 12/25/2015 9:33 AM | |

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| 20. Rationalize the numerator of the expression.  ​  ​   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. | ​ | |  | d. | ​ | |  | e. | ​ |  |  |  | | --- | --- | | *ANSWER:* | d | | *POINTS:* | 1 | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | True | | *DATE CREATED:* | 12/25/2015 9:33 AM | | *DATE MODIFIED:* | 12/25/2015 9:33 AM | |

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| 21. Find the maximum profit *P* (in dollars) given that  ​  ​   |  |  |  | | --- | --- | --- | |  | a. | $40,050 | |  | b. | $13,350 | |  | c. | $27,000 | |  | d. | $26,700 | |  | e. | $27,150 |  |  |  | | --- | --- | | *ANSWER:* | d | | *POINTS:* | 1 | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | True | | *DATE CREATED:* | 12/25/2015 9:33 AM | | *DATE MODIFIED:* | 12/25/2015 9:33 AM | |

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| 22. A salesman's monthly commission is 25% on all sales over $14,000. If his goal is to make a commission of at least $4,800/month, what minimum monthly sales figures must he attain?  ​   |  |  |  | | --- | --- | --- | |  | a. | $16,400 | |  | b. | $33,200 | |  | c. | $18,800 | |  | d. | $23,600 | |  | e. | $28,400 |  |  |  | | --- | --- | | *ANSWER:* | b | | *POINTS:* | 1 | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | True | | *DATE CREATED:* | 12/25/2015 9:33 AM | | *DATE MODIFIED:* | 12/25/2015 9:33 AM | |

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| 23. Simplify the expression.  ​  ​   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. | ​ | |  | c. | ​ | |  | d. | ​ | |  | e. | ​ |  |  |  | | --- | --- | | *ANSWER:* | c | | *POINTS:* | 1 | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | True | | *DATE CREATED:* | 12/25/2015 9:33 AM | | *DATE MODIFIED:* | 12/25/2015 9:33 AM | |

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| 24. The diameter *x* (in inches) of a batch of ball bearings manufactured by PAR Manufacturing satisfies the inequality  ​  ​  What is the smallest diameter a ball bearing in the batch can have?  ​   |  |  |  | | --- | --- | --- | |  | a. | 0.78 inches | |  | b. | 0.76 inches | |  | c. | 0.8 inches | |  | d. | 0.75 inches | |  | e. | 0.7 inches |  |  |  | | --- | --- | | *ANSWER:* | e | | *POINTS:* | 1 | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | True | | *DATE CREATED:* | 12/25/2015 9:33 AM | | *DATE MODIFIED:* | 12/28/2015 1:59 AM | |

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| 25. Evaluate the expression.  ​  ​   |  |  |  | | --- | --- | --- | |  | a. | 5 | |  | b. | 2 | |  | c. | 7 | |  | d. | 3 | |  | e. | 6 |  |  |  | | --- | --- | | *ANSWER:* | b | | *POINTS:* | 1 | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | True | | *DATE CREATED:* | 12/25/2015 9:33 AM | | *DATE MODIFIED:* | 12/28/2015 1:59 AM | |

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| 26. Determine whether the statement is true or false.  ​  If  ​   |  |  |  | | --- | --- | --- | |  | a. | True | |  | b. | False |  |  |  | | --- | --- | | *ANSWER:* | a | | *POINTS:* | 1 | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | True | | *DATE CREATED:* | 12/25/2015 9:33 AM | | *DATE MODIFIED:* | 3/18/2016 12:18 PM | |

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| 27. Find the values of *x* that satisfy the inequalities.  ​  ​   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. |  | |  | d. |  | |  | e. |  |  |  |  | | --- | --- | | *ANSWER:* | a | | *POINTS:* | 1 | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | True | | *DATE CREATED:* | 12/25/2015 9:33 AM | | *DATE MODIFIED:* | 2/19/2016 7:36 AM | |

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| 28. Evaluate the expression.  ​  ​   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. |  | |  | c. | ​ | |  | d. | ​ | |  | e. | ​ |  |  |  | | --- | --- | | *ANSWER:* | e | | *POINTS:* | 1 | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | True | | *DATE CREATED:* | 12/25/2015 9:33 AM | | *DATE MODIFIED:* | 12/25/2015 9:33 AM | |

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| 29. Simplify the expression.  ​  ​   |  |  |  | | --- | --- | --- | |  | a. |  | |  | b. | ​ | |  | c. | ​ | |  | d. | ​ | |  | e. | ​ |  |  |  | | --- | --- | | *ANSWER:* | d | | *POINTS:* | 1 | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | True | | *DATE CREATED:* | 12/25/2015 9:33 AM | | *DATE MODIFIED:* | 12/25/2015 9:33 AM | |

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| 30. Use the fact that the to evaluate the expression without using a calculator.  ​  ​  Round the answer to the nearest thousandth.  ​   |  |  |  | | --- | --- | --- | |  | a. | 46.765 | |  | b. | 24.994 | |  | c. | 5.196 | |  | d. | 15.588 | |  | e. | 43.075 |  |  |  | | --- | --- | | *ANSWER:* | d | | *POINTS:* | 1 | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 12/25/2015 9:33 AM | | *DATE MODIFIED:* | 12/25/2015 9:33 AM | |

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| 31. Evaluate the expression.  ​   |  |  | | --- | --- | | *ANSWER:* | 64 | | *POINTS:* | 1 | | *QUESTION TYPE:* | Numeric Response | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 12/25/2015 9:33 AM | | *DATE MODIFIED:* | 12/25/2015 9:33 AM | |

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| 32. Use the fact that to evaluate the expression without using a calculator.  ​   |  |  | | --- | --- | | *ANSWER:* | 316.2 | | *POINTS:* | 1 | | *QUESTION TYPE:* | Numeric Response | | *HAS VARIABLES:* | True | | *DATE CREATED:* | 12/25/2015 9:33 AM | | *DATE MODIFIED:* | 12/25/2015 9:33 AM | |

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| 33. Evaluate the expression.  ​   |  |  | | --- | --- | | *ANSWER:* | 8 | | *POINTS:* | 1 | | *QUESTION TYPE:* | Numeric Response | | *HAS VARIABLES:* | True | | *DATE CREATED:* | 12/25/2015 9:33 AM | | *DATE MODIFIED:* | 2/19/2016 6:30 AM | |

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| 34. Evaluate the expression.  ​   |  |  | | --- | --- | | *ANSWER:* | 2 | | *POINTS:* | 1 | | *QUESTION TYPE:* | Numeric Response | | *HAS VARIABLES:* | True | | *DATE CREATED:* | 12/25/2015 9:33 AM | | *DATE MODIFIED:* | 12/25/2015 9:33 AM | |

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| 35. Find the maximum profit *P* (in dollars) given that  ​  ​  ​  $ \_\_\_\_\_\_\_\_\_\_   |  |  | | --- | --- | | *ANSWER:* | 9,050 | | *POINTS:* | 1 | | *QUESTION TYPE:* | Numeric Response | | *HAS VARIABLES:* | True | | *DATE CREATED:* | 12/25/2015 9:33 AM | | *DATE MODIFIED:* | 12/25/2015 9:33 AM | |

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| 36. A salesman's monthly commission is 20% on all sales over $15,000. If his goal is to make a commission of at least $4,800/month, what minimum monthly sales figures must he attain?  ​  $ \_\_\_\_\_\_\_\_\_\_   |  |  | | --- | --- | | *ANSWER:* | 39,000 | | *POINTS:* | 1 | | *QUESTION TYPE:* | Numeric Response | | *HAS VARIABLES:* | True | | *DATE CREATED:* | 12/25/2015 9:33 AM | | *DATE MODIFIED:* | 12/25/2015 9:33 AM | |

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| 37. The diameter *x* (in inches) of a batch of ball bearings manufactured by PAR Manufacturing satisfies the inequality  ​  ​  What is the smallest diameter a ball bearing in the batch can have? Give your answer to two decimal places, if necessary.  ​  \_\_\_\_\_\_\_\_\_\_ inches   |  |  | | --- | --- | | *ANSWER:* | 0.16 | | *POINTS:* | 1 | | *QUESTION TYPE:* | Numeric Response | | *HAS VARIABLES:* | True | | *DATE CREATED:* | 12/25/2015 9:33 AM | | *DATE MODIFIED:* | 12/28/2015 2:00 AM | |

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| 38. Evaluate the expression.  ​   |  |  | | --- | --- | | *ANSWER:* | 5 | | *POINTS:* | 1 | | *QUESTION TYPE:* | Numeric Response | | *HAS VARIABLES:* | True | | *DATE CREATED:* | 12/25/2015 9:33 AM | | *DATE MODIFIED:* | 12/28/2015 2:01 AM | |

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| 39. Use the fact that the  to evaluate the expression without using a calculator.  ​  ​  Round the answer to the nearest thousandth, if necessary.   |  |  | | --- | --- | | *ANSWER:* | 15.588 | | *POINTS:* | 1 | | *QUESTION TYPE:* | Numeric Response | | *HAS VARIABLES:* | True | | *DATE CREATED:* | 12/25/2015 9:33 AM | | *DATE MODIFIED:* | 12/25/2015 9:33 AM | |

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| 40. Simplify the expression. (Assume that *r*, *s*, and *t* are positive.)  ​   |  |  | | --- | --- | | *ANSWER:* |  | | *POINTS:* | 1 | | *QUESTION TYPE:* | Subjective Short Answer | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 12/25/2015 9:33 AM | | *DATE MODIFIED:* | 2/19/2016 6:35 AM | |

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| 41. Rationalize the numerator of the expression.  ​   |  |  | | --- | --- | | *ANSWER:* |  | | *POINTS:* | 1 | | *QUESTION TYPE:* | Subjective Short Answer | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 12/25/2015 9:33 AM | | *DATE MODIFIED:* | 12/25/2015 9:33 AM | |

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| 42. Rewrite the expression using positive exponents only.  ​   |  |  | | --- | --- | | *ANSWER:* |  | | *POINTS:* | 1 | | *QUESTION TYPE:* | Subjective Short Answer | | *HAS VARIABLES:* | True | | *DATE CREATED:* | 12/25/2015 9:33 AM | | *DATE MODIFIED:* | 12/25/2015 9:33 AM | |

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| 43. Simplify the expression. (Assume *x* and *y* are positive.)  ​   |  |  | | --- | --- | | *ANSWER:* |  | | *POINTS:* | 1 | | *QUESTION TYPE:* | Subjective Short Answer | | *HAS VARIABLES:* | True | | *DATE CREATED:* | 12/25/2015 9:33 AM | | *DATE MODIFIED:* | 2/19/2016 6:38 AM | |

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| 44. Rationalize the denominator of the expression.  ​   |  |  | | --- | --- | | *ANSWER:* |  | | *POINTS:* | 1 | | *QUESTION TYPE:* | Subjective Short Answer | | *HAS VARIABLES:* | True | | *DATE CREATED:* | 12/25/2015 9:33 AM | | *DATE MODIFIED:* | 12/25/2015 9:33 AM | |

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| 45. Rationalize the numerator of the expression.  ​   |  |  | | --- | --- | | *ANSWER:* |  | | *POINTS:* | 1 | | *QUESTION TYPE:* | Subjective Short Answer | | *HAS VARIABLES:* | True | | *DATE CREATED:* | 12/25/2015 9:33 AM | | *DATE MODIFIED:* | 12/25/2015 9:33 AM | |

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| 46. Simplify the expression.  ​   |  |  | | --- | --- | | *ANSWER:* |  | | *POINTS:* | 1 | | *QUESTION TYPE:* | Subjective Short Answer | | *HAS VARIABLES:* | True | | *DATE CREATED:* | 12/25/2015 9:33 AM | | *DATE MODIFIED:* | 12/25/2015 9:33 AM | |

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| 47. Evaluate the expression.  ​   |  |  | | --- | --- | | *ANSWER:* |  | | *POINTS:* | 1 | | *QUESTION TYPE:* | Subjective Short Answer | | *HAS VARIABLES:* | True | | *DATE CREATED:* | 12/25/2015 9:33 AM | | *DATE MODIFIED:* | 12/25/2015 9:33 AM | |

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| 48. Simplify the expression.  ​   |  |  | | --- | --- | | *ANSWER:* |  | | *POINTS:* | 1 | | *QUESTION TYPE:* | Subjective Short Answer | | *HAS VARIABLES:* | True | | *DATE CREATED:* | 12/25/2015 9:33 AM | | *DATE MODIFIED:* | 12/25/2015 9:33 AM | |

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| 49. A manufacturer of a certain commodity has estimated that her profit in thousands of dollars is given by the expression  ​  ​  where *x* (in thousands) is the number of units produced.  ​  What production range will enable the manufacturer to realize a profit of at least $8,000 on the commodity?  ​  Between \_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_ units.   |  |  | | --- | --- | | *ANSWER:* | 1,000; 4,000 | | *POINTS:* | 1 | | *QUESTION TYPE:* | Subjective Short Answer | | *HAS VARIABLES:* | True | | *DATE CREATED:* | 12/25/2015 9:33 AM | | *DATE MODIFIED:* | 12/25/2015 9:33 AM | |

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| 50. Determine whether the statement is *true* or *false*.  ​   |  |  | | --- | --- | | *ANSWER:* | true | | *POINTS:* | 1 | | *QUESTION TYPE:* | Subjective Short Answer | | *HAS VARIABLES:* | True | | *DATE CREATED:* | 12/25/2015 9:33 AM | | *DATE MODIFIED:* | 12/25/2015 9:33 AM | |

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| Match each interval with the corresponding number line.  ​  *Choose the correct letter for each question.*  ​   |  |  | | --- | --- | | a. |  | | b. |  | | c. |  | | d. |  |  |  |  | | --- | --- | | *QUESTION TYPE:* | Matching | | *HAS VARIABLES:* | True | | *DATE CREATED:* | 12/25/2015 9:33 AM | | *DATE MODIFIED:* | 12/25/2015 9:33 AM | |

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| 51.   |  |  | | --- | --- | | *ANSWER:* | b | | *POINTS:* | 1 | |

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| 52.   |  |  | | --- | --- | | *ANSWER:* | d | | *POINTS:* | 1 | |

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| 53.   |  |  | | --- | --- | | *ANSWER:* | c | | *POINTS:* | 1 | |

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| 54.   |  |  | | --- | --- | | *ANSWER:* | a | | *POINTS:* | 1 | |

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| Match each pair of inequalities with the corresponding values of *x*.  ​  *Choose the correct letter for each question.*  ​   |  |  | | --- | --- | | a. |  | | b. |  | | c. |  | | d. |  |  |  |  | | --- | --- | | *QUESTION TYPE:* | Matching | | *HAS VARIABLES:* | True | | *DATE CREATED:* | 12/25/2015 9:33 AM | | *DATE MODIFIED:* | 12/25/2015 9:33 AM | |

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| 55.   |  |  | | --- | --- | | *ANSWER:* | c | | *POINTS:* | 1 | |

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| 56.   |  |  | | --- | --- | | *ANSWER:* | d | | *POINTS:* | 1 | |

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| 57.   |  |  | | --- | --- | | *ANSWER:* | b | | *POINTS:* | 1 | |

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| 58. ​   |  |  | | --- | --- | | *ANSWER:* | a | | *POINTS:* | 1 | |