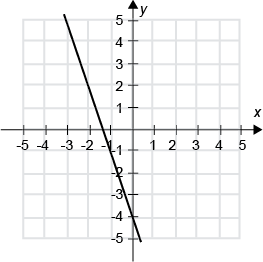
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| 1.   Solve the equation: https://my.pennfoster.com/exams/images/350401RR_Q52_stem.png |  |  |  |  |  |  |  |  |  |
| |  | | --- | | **A.***t* = –3.9 | | **B.***t* = 3.8 | | **C.***t* = –3.8 | | **D.***t* = –1.1 | |  |  |  |  |  |  |  |  |  |

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| 2.   Determine the slope and the *y*-intercept of the line 7*x* + 3*y* = –8. |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
| **A.**https://my.pennfoster.com/exams/images/350401RR_Q47_slope-minus7-y-minus8.png |
| **B.**https://my.pennfoster.com/exams/images/350401RR_Q47_slope-3-y-8.png |
| **C.**https://my.pennfoster.com/exams/images/350401RR_Q47_slope-minus7-y-minus8-3.png |
| **D.**https://my.pennfoster.com/exams/images/350401RR_Q47_slope-7-y-minus8-3.png |

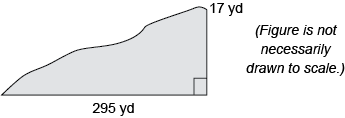


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| 3.   Write an equation of the given line in slope-intercept form. |
| |  | | --- | | **A.***y* = –4*x* + 3 | | **B.***y* = 3*x* – 4 | | **C.***y* = –3*x* – 4 | | **D.***y* = –4*x* – 3 | |

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| 4.   A line contains the point (–3, –4) and is perpendicular to a line with a slope of https://my.pennfoster.com/exams/images/350401RR_Q37_stem.png. Write an equation of the line satisfying the given conditions. Write the answer in slope-intercept form. |
| |  | | --- | | **A.**https://my.pennfoster.com/exams/images/350401RR_Q37_minus5-3-x-9.png | | **B.**https://my.pennfoster.com/exams/images/350401RR_Q37_minus5-3-x-3.png | | **C.**https://my.pennfoster.com/exams/images/350401RR_Q37_5-3-x-9.png | | **D.**https://my.pennfoster.com/exams/images/350401RR_Q37_minus5-3-x-4.png | |

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| 5.   Solve the inequality. Write the solution set in interval notation.  11 ≤ 6(*n* + 4) – 4*n* |
| |  | | --- | | **A.**[4,11] | | **B.**https://my.pennfoster.com/exams/images/350401RR_Q15_13-2-infinity.png | | **C.**https://my.pennfoster.com/exams/images/350401RR_Q15_minus13-2-infinity.png | | **D.**https://my.pennfoster.com/exams/images/350401RR_Q15_infinity-13-2.png | |

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| 6.Solve the equation: 2(–3 – 3*x*) = 24 |
| |  | | --- | | **A.***x* = –5 | | **B.***x* = 5 | | **C.***x* = –7 | | **D.***x* = 6 | |



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| 7.   Find the slope of the hill. |
| |  | | --- | | **A.**295 | | **B.**https://my.pennfoster.com/exams/images/350401RR_Q42_17-295.png | | **C.**https://my.pennfoster.com/exams/images/350401RR_Q42_17-312.png | | **D.**https://my.pennfoster.com/exams/images/350401RR_Q42_295-17.png | |

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| 8.   Find the slope of the line determined by the equation 2*x* = *y*. |
| |  | | --- | | **A.***m* = 2 | | **B.***m* = –2 | | **C.***m* = –3 | | **D.***m* = 3 | |

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| 9.   To ride certain amusement park rides, riders must be a least 44″ tall, but no more than 83″ tall. Let *h* represent the height of a prospective rider. Write an inequality that represents the allowable heights. |  |  |  |  |  |  |  |  |  |
| |  | | --- | | **A.***h* ≤ 83 and *h* ≥ 44 | | **B.***h* ≤ 44 and *h* ≥ 83 | | **C.***h* ≤ 44 or *h* ≥ 83 | | **D.***h* ≤ 83 or *h* ≥ 44 | |  |  |  |  |  |  |  |  |  |

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| 10.   Which one of the following equations represents the *y*-axis? |
| |  | | --- | | **A.***x* = 0 | | **B.***y* = –1 | | **C.***y* = 0 | | **D.***x* = –1 | |

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| 11.   Solve the absolute value equation.  |12 + 2*x*| = |*x* – 6| |
| |  | | --- | | **A.**{–18} | | **B.**{–18, –6} | | **C.**{–18, –2} | | **D.**{} | |

https://my.pennfoster.com/exams/images/350401RR_Q43_stem.png

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| 12.   Identify the inequality that matches the graph. |
| |  | | --- | | **A.**|*x* – 1| > 3 | | **B.**|*x* + 1| > 6 | | **C.**|*x* + 1| > 3 | | **D.**|*x* – 1| > 6 | |

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| 13.   Given *A* = {–3,–26,10,30,–14,9} and *B* = {–9,6,10,–14}, list the elements of *A*∩*B*. |
| |  | | --- | | **A.**{10,–14} | | **B.**{–3,–26,10,30,–14,9,–9,6} | | **C.**{} | | **D.**{10} | |

14.   Graph the linear equation: 3*y* = –2*x* – 1

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| **A.** https://my.pennfoster.com/exams/images/350401RR_Q24_x-5y3.png |
| **B.** https://my.pennfoster.com/exams/images/350401RR_Q24_x-1y5.png |
| **C.** https://my.pennfoster.com/exams/images/350401RR_Q24_x-3y5.png |
| **D.** https://my.pennfoster.com/exams/images/350401RR_Q24_x-5y-3.png |

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| 15.   Solve the inequality. Write the answer in interval notation.  –2 < –2*y* + 19 < 10 |  |  |  |  |  |  |  |  |  |
| |  | | --- | | **A.**https://my.pennfoster.com/exams/images/350401RR_Q18_par212.png | | **B.**https://my.pennfoster.com/exams/images/350401RR_Q18_brack92.png | | **C.**https://my.pennfoster.com/exams/images/350401RR_Q18_brack212.png | | **D.**https://my.pennfoster.com/exams/images/350401RR_Q18_par92.png | |  |  |  |  |  |  |  |  |  |

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| 16.   Solve the equation: https://my.pennfoster.com/exams/images/350401RR_Q5_stem.png |  |  |  |  |  |  |  |  |  |
| |  | | --- | | **A.***x* = –10 | | **B.***x* = 12 | | **C.***x* = 8 | | **D.***x* = –12 | |  |  |  |  |  |  |  |  |  |

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| 17.   Use substitution to determine which value is the solution to 5*x* + 3 = 18. |  |  |  |  |  |  |  |  |  |
| |  | | --- | | **A.***x* = 1 | | **B.***x* = 9 | | **C.***x* = 3 | | **D.***x* = 2 | |  |  |  |  |  |  |  |  |  |

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| 18.   Use substitution to determine which value is the solution to –9*x* – 8 = 19. |
| |  | | --- | | **A.***x* = 4 | | **B.***x* = –5 | | **C.***x* = –3 | | **D.***x* = –4 | |

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| 19.   A tool rental store charges a flat fee of $9.50 to rent a chain saw, and $3.75 for each day, including the first. Write an equation that expresses the cost *y* of renting this saw if it's rented for *x* days. |
| |  | | --- | | **A.***y* = 3.75(*x* + 9.50) | | **B.***y* = 3.75*x* – 9.50 | | **C.***y* = 3.75*x* + 9.50 | | **D.***y* = 9.50*x* + 3.75 | |

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| 20.   Given that (–2, *y*) and (4, 6) are points on a line whose slope is https://my.pennfoster.com/exams/images/350401RR_Q28_stem.png, find *y*. |  |  |  |  |  |  |  |  |  |
| |  | | --- | | **A.***y* = 14 | | **B.***y* = 18 | | **C.***y* = 10 | | **D.***y* = 17 | |  |  |  |  |  |  |  |  |  |
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