CHAPTER 7 PRACTICE TEST

Write the word sentence as an equation.

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| 1. The sum of a number n and 15 is 9. | 2. The product of a number r and 7 is 48. |
| 3. The quotient of a number x and 5 is 17. | 4. 9 is 3 less than a number n. |

\*\*\*For each equation or inequality that you need to solve it will be worth 1 ½ points. 1 point for the answer and ½ point for showing work correctly\*\*\*

Solve the equation.

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| 5. s – 3 = 19 | 6. 17 = 7 + m | 7. 5z = 60 |
| 8. $\frac{a}{6}=7$ | 9. $\frac{6}{7}r= 46$ | 10. 40 = $\frac{m}{2}$ |

Tell whether the given value is a solution of the equation

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| 11. 35 = 7n; n = 5 | 12. 9 – g = 5; g = 3 |

Write the word sentence as an inequality.

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| 13. A number n is at least 10. | 14. 15 is more than a number x. |
| 15. Twice a number r is less than 3. | 16. A number x is no more than 18. |

Tell whether the given value is a solution of the inequality.

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| 17. $2x\leq 10;x=5$ | 18. m – 4 > 8; m = 10 |

Graph the inequality on a number line.

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| 19. $m \leq -2$ | 20. w > 6 |

Solve the inequality. Graph the solution

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| 21. r – 7 $\leq 2$ | 22. $\frac{w}{3}<8$ |
| 23. 2x > 24  | 24. $35\geq \frac{5}{7}n$ |

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| 25. Solve the equation for f. 22 – 7 = f + 6  |