Unit 3 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Test Review Date: \_\_\_\_\_\_\_\_\_\_\_\_\_ Class: \_\_\_\_\_\_\_

1. Write the symbol for the following expressions:

less than or equal to \_\_\_\_\_\_\_ greater than \_\_\_\_\_\_\_

at most \_\_\_\_\_\_\_ at least \_\_\_\_\_\_\_

no more than \_\_\_\_\_\_\_ no less than \_\_\_\_\_\_\_

more than \_\_\_\_\_\_\_ great than or equal to \_\_\_\_\_\_\_

2. Solve and graph: x – 3 > 2

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 -6 -4 -2 0 2 4 6

3. Dave plans to order at least 10 pizzas for the party. Write and graph an inequality for this situation.

 | | | | | | | | | | | | | | |

 0 2 4 6 8 10 12

Inequality\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Graph

4. When do you flip the inequality sign?

5. Solve and Graph 

 | | | | | | | | | | | | | | |

 -6 -4 -2 0 2 4 6

6. Solve and Graph 

 | | | | | | | | | | | | | | |

 -6 -4 -2 0 2 4 6

7. Solve and graph 

 | | | | | | | | | | | | | | |

 -6 -4 -2 0 2 4 6

8. Solve 2(c + 1) = 3c – 6 for c Steps

The solution is c = \_\_\_\_\_\_

9. Solve 3c + a = 6 for c Steps

The solution is c = \_\_\_\_\_\_\_\_\_\_\_\_\_\_

10. Brandon knows that his truck route from Illinois to Tennessee is 450 miles long. He also knows that **Distance = rate • time (*D* = *rt*).** Brandon wants to find how long it will take him to get to Tennessee if he drives 50 mi/hr.

a) Start by first solving the formula for time, t.

b) How long will his route take if he averages a speed of 50 mi/hr?