

Name _____

Date _____

Solving Inequalities Review

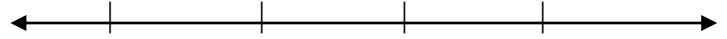
YOU MUST SHOW YOUR WORK TO GET CREDIT FOR SOLVING THE PROBLEM

1. Which of the following is a solution to the inequality:

$$18 < -3x - 8$$

- A $x = -2$
- B $x = 9$
- C $x = -9$
- D $x = 3$

2. Graph $3 < b$

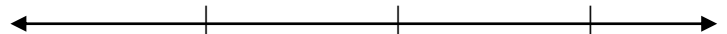
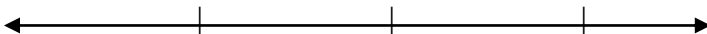


3. Solve $3x + 28 \geq -8$

4. Solve $11 - \frac{1}{8}y \geq 4$

5. Solve and Graph
 $-3(r - 4) \geq 0$

6. Solve and Graph
 $\frac{-9 + a}{15} > 1$



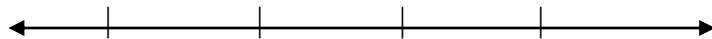
7. Solve and Graph

$$2x < 10 \text{ or } \frac{x}{2} \geq 3$$



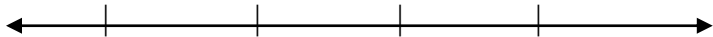
8. Solve and Graph

$$8x + 8 \geq -64 \text{ and } -7 - 8x \geq -79$$



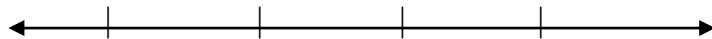
9. Solve and Graph

$$-1 < \frac{n}{9} < 17$$



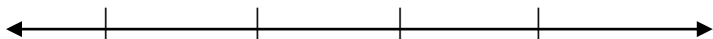
10. Solve and Graph

$$-3 < m - 5 < -1$$



11. Solve and Graph

$$-5b - 8 \leq -68 \text{ or } 11b - 12 < -100$$



12. Solve and Graph

$$8p - 13 \leq -2 + 7p \text{ and } 20 + 4p < 2p + 14$$

