

Name _____

Linear Inequalities – Day 1



SHOW ALL WORK!!



Solve only.

1) $3x + 28 \geq -8$

5) $\frac{2}{7}x - 13 < -15$

2) $-4k - 9 < -1$

6) $-30 \leq \frac{k}{3} - 44$

3) $20 \leq 8 - \frac{2}{3}m$

7) $10m - 5.4 > -18$

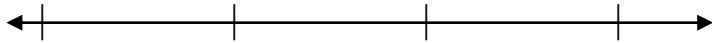
4) $\frac{y}{-8} + 4.1 > 6.3$

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

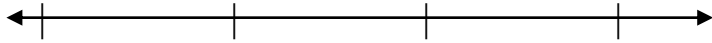
Name _____

Graph these solutions on a number line:

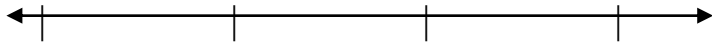
9) $x \leq -4$



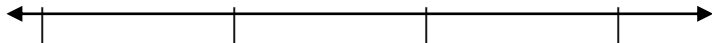
10) $8 > m$



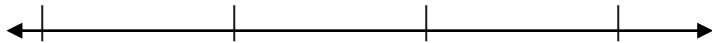
11) $y \geq -2$



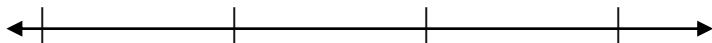
12) $-6 < p$



13) $k = 4.5$



14) $7 \neq y$



15) Which of the following is a solution to the inequality:

$$8 - 4x > -11$$

- A $x = 7$
- B $x = 3.5$
- C $x = 10$
- D $x = 5$