

Name \_\_\_\_\_ Date \_\_\_\_\_ Period \_\_\_\_\_

## Absolute Value Equations and Inequalities Practice

Solve each equation.

1)  $|6m| = 42$

2)  $|-6x| = 30$

3)  $|k - 10| = 3$

4)  $\left|\frac{x}{7}\right| = 3$

5)  $|7 + p| = 7$

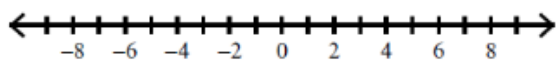
6)  $|-3p| = 15$

7)  $7|n| = 56$

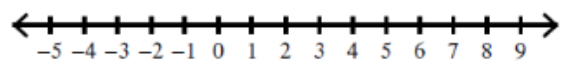
8)  $\frac{|m|}{5} = 3$

Solve each inequality.

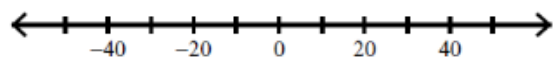
9)  $|4 + 5b| > 24$



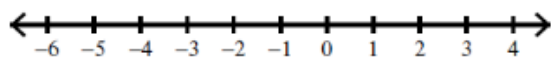
10)  $|5 - 8x| < 43$



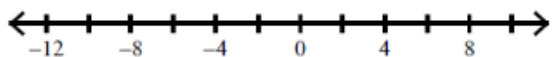
$$11) \frac{|n|}{10} \geq 5$$



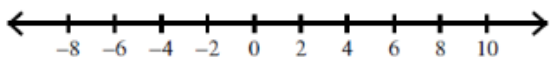
$$12) 8|n| > 8$$



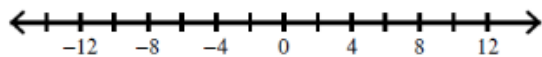
$$13) |a| - 1 \geq 6$$



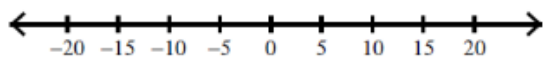
$$14) -3|x| < -18$$



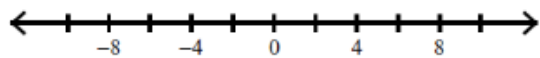
$$15) |v| - 3 > 7$$



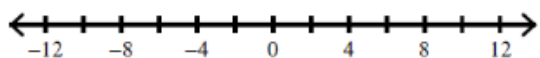
$$16) \frac{|x|}{7} < 3$$



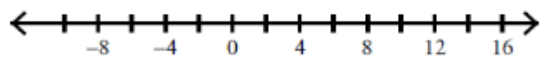
$$17) \left| \frac{x}{2} \right| + 9 > 13$$



$$18) |3x| + 4 < 34$$



$$19) 7|r - 2| \leq 77$$



$$20) \frac{|6n|}{8} > 4$$

