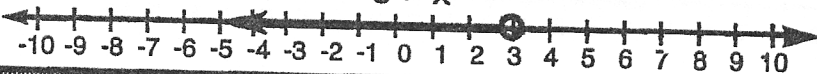


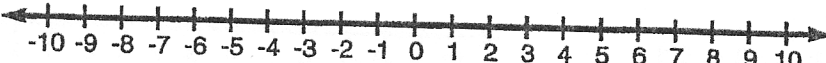
Name \_\_\_\_\_

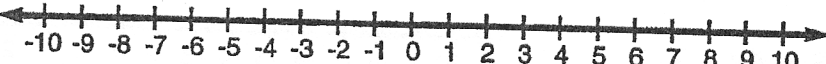
# Solving Inequalities with Variables on Both Sides

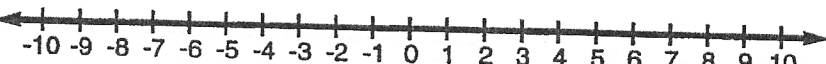
$-10x + 6 > 2x - 30$   
 $-10x + 10x + 6 > 2x + 10x - 30$   
 $6 > 12x - 30$   
 $30 + 6 > 12x - 30 + 30$   
 $36 > 12x$   
 $3 > x$

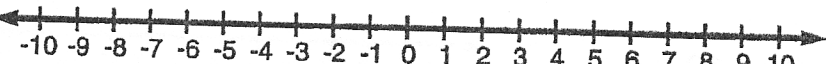


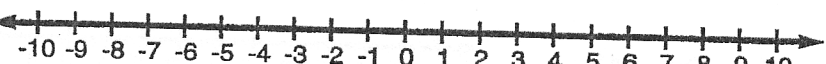
Solve each inequality and graph on the number line.

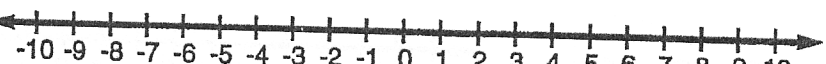
1.  $5c + 1 > 3(3 + c)$  

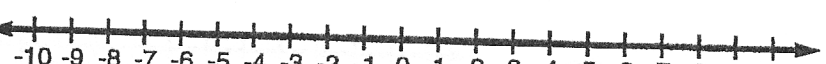
2.  $8 - e > 3e + 12$  

3.  $3(2x - 4) > 3x + 3$  

4.  $-3(5t - 12) \leq 4t - 21$  

5.  $x - 4x \geq -5x - 20$  

6.  $23 - 12x > -(7 + 2x)$  

7.  $5c + 6 < (3 + 2c)$  

8.  $3(s - 4) \geq 6s + 12$  