

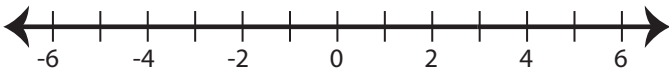
Name : \_\_\_\_\_

Score : \_\_\_\_\_

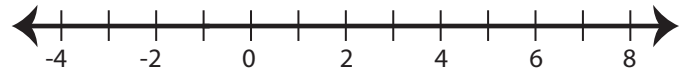
## Solving & Graphing Inequalities

Solve each inequality and graph the solution.

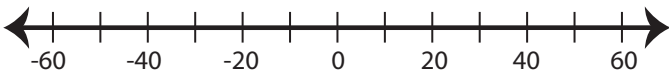
1)  $-6 \leq -7x + 15$



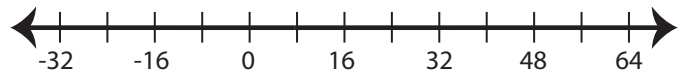
2)  $-10x - 8 > 2$



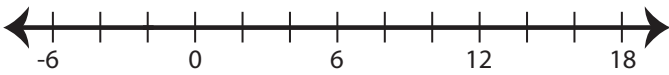
3)  $-5 < \frac{x + 10}{4}$



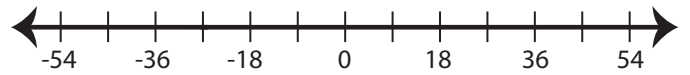
4)  $-5x \geq -9x + 32$



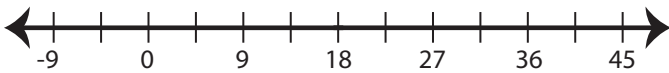
5)  $-12x - 8 < 16$



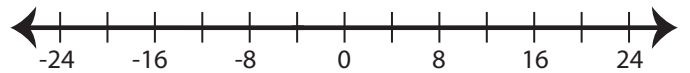
6)  $-10 > \frac{x}{3} - 1$



7)  $2 \geq \frac{x - 8}{5}$



8)  $3x - 4 \leq -16$



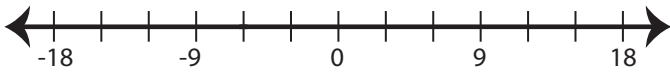
Name : \_\_\_\_\_

Score : \_\_\_\_\_

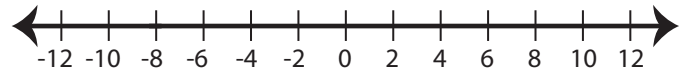
## Solving & Graphing Inequalities

Solve each inequality and graph the solution.

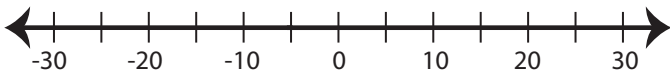
1)  $-1 > \frac{x+4}{2}$



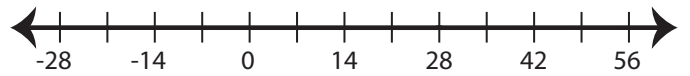
2)  $-2x + 8 \leq 24$



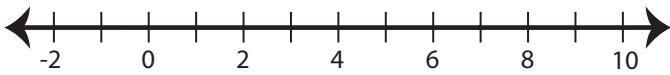
3)  $-6x - 13 \geq 17$



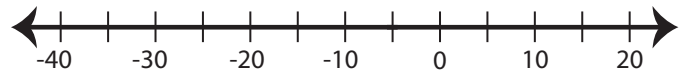
4)  $16 < \frac{x}{4} + 9$



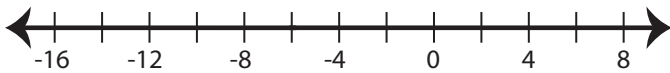
5)  $-5x \leq -8x + 21$



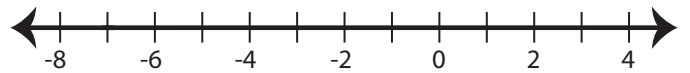
6)  $5 \geq -3x - 10$



7)  $-7x - 19 > 23$



8)  $-1 < \frac{x+2}{5}$

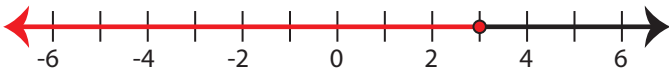


**Answer key**

Solve each inequality and graph the solution.

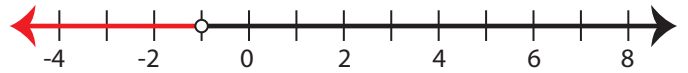
1)  $-6 \leq -7x + 15$

$x \leq 3$



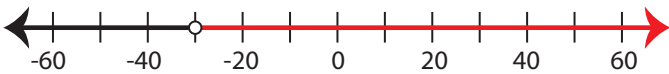
2)  $-10x - 8 > 2$

$x < -1$



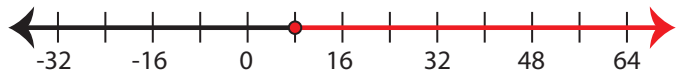
3)  $-5 < \frac{x+10}{4}$

$x > -30$



4)  $-5x \geq -9x + 32$

$x \geq 8$



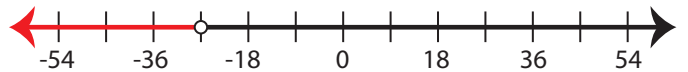
5)  $-12x - 8 < 16$

$x > -2$



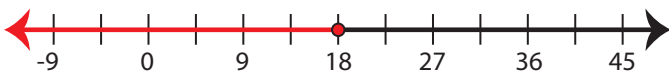
6)  $-10 > \frac{x}{3} - 1$

$x < -27$



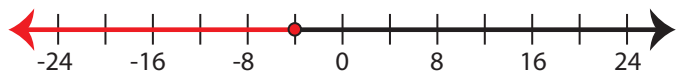
7)  $2 \geq \frac{x-8}{5}$

$x \leq 18$



8)  $3x - 4 \leq -16$

$x \leq -4$

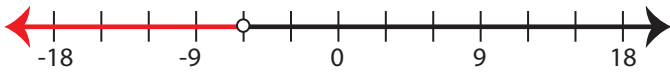


**Answer key**

Solve each inequality and graph the solution.

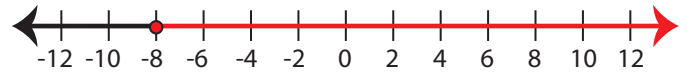
1)  $-1 > \frac{x+4}{2}$

$x < -6$



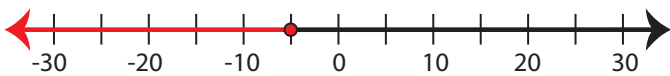
2)  $-2x + 8 \leq 24$

$x \geq -8$



3)  $-6x - 13 \geq 17$

$x \leq -5$



4)  $16 < \frac{x}{4} + 9$

$x > 28$



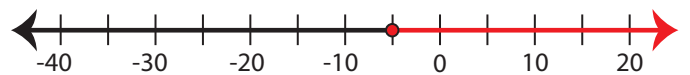
5)  $-5x \leq -8x + 21$

$x \leq 7$



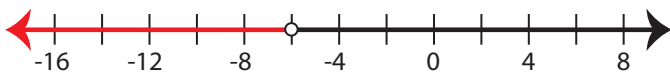
6)  $5 \geq -3x - 10$

$x \geq -5$



7)  $-7x - 19 > 23$

$x < -6$



8)  $-1 < \frac{x+2}{5}$

$x > -7$

