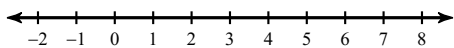


## Solving Inequalities

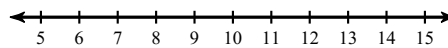
Block: \_\_\_\_\_ Mark Out Of 20 \_\_\_\_\_

Solve each inequality and graph its solution.

1)  $5(1 + 7x) > 110$

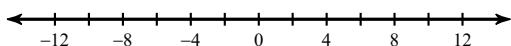


2)  $2(-4 - 4x) \geq -22 - 6x$

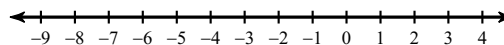


Solve each compound inequality and graph its solution.

3)  $8v < 80$  and  $\frac{v}{10} \geq -1$

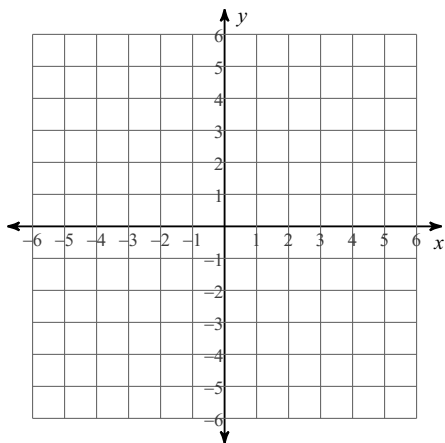


4)  $-10 + 3n \geq -7$  or  $2 - 9n \geq 47$

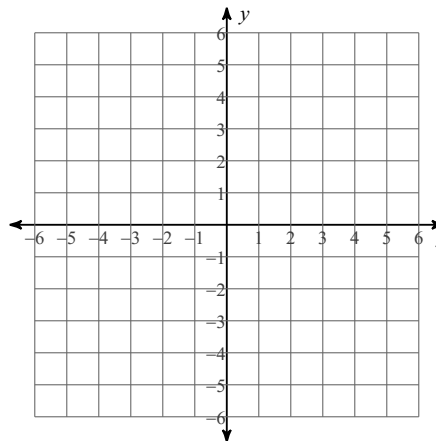


Sketch the graph of each linear inequality.

5)  $y \leq -\frac{8}{3}x + 4$

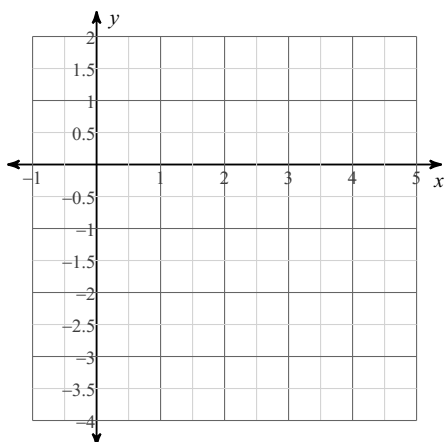


6)  $y > 5x - 2$

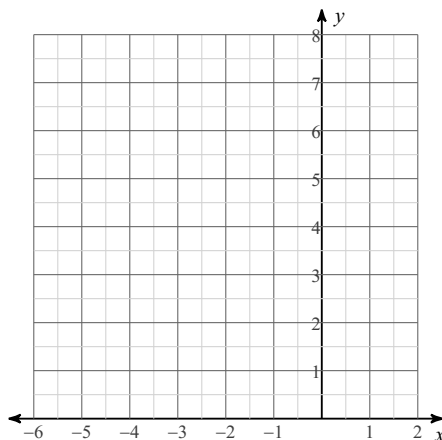


Sketch the graph of each inequality.

7)  $y < -(x - 1)^2 + 1$

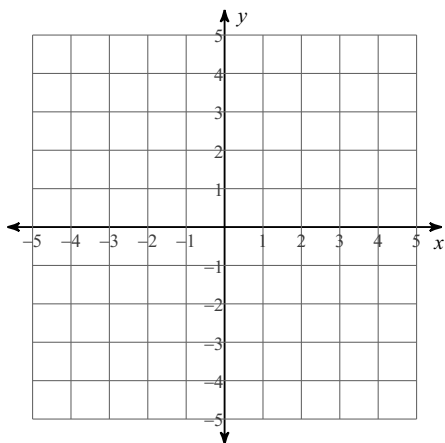


8)  $y \leq x^2 + 4x + 7$



Sketch the solution to each system of inequalities.

9)  $y > 3x - 3$   
 $y \leq \frac{1}{2}x + 2$



10)  $x + 2y < -6$   
 $3x - 2y \geq -2$

