

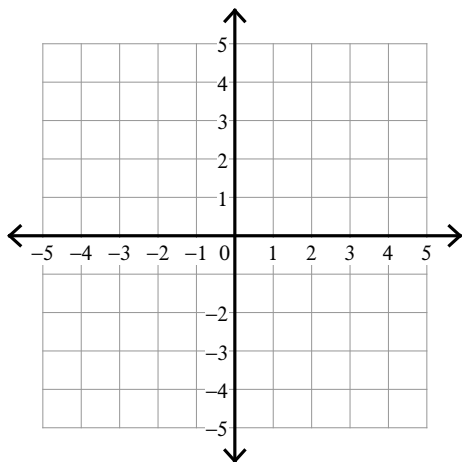
## Solving Systems of Inequalities

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

**Sketch the solution to each system of inequalities.**

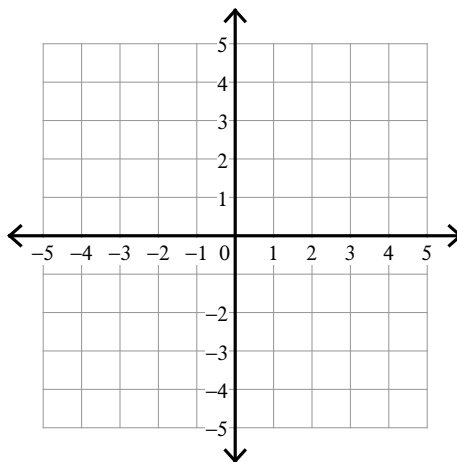
1)  $y \leq \frac{5}{2}x - 2$

$y \geq \frac{1}{2}x + 2$



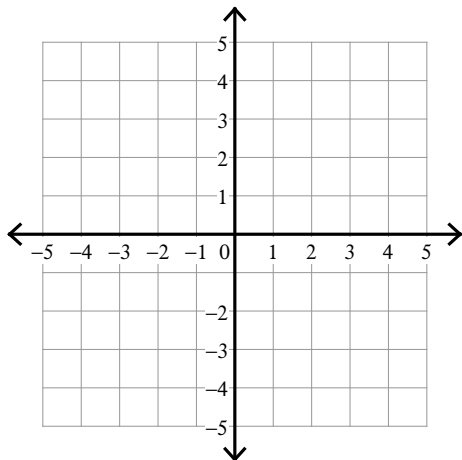
2)  $y \geq \frac{5}{2}x + 2$

$y \geq \frac{1}{2}x - 2$

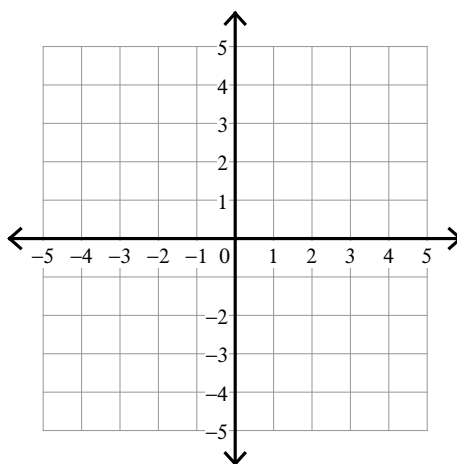


3)  $y \leq \frac{1}{2}x + 2$

$y > 3x - 3$

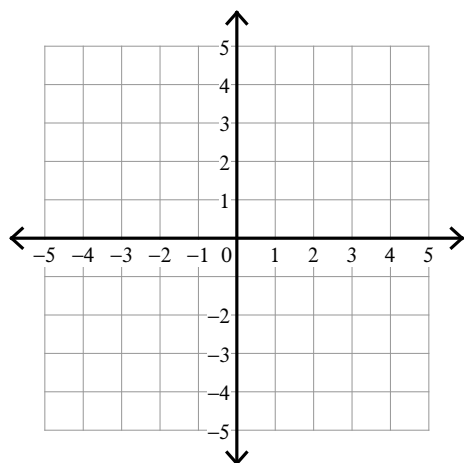


4)  $y < -3$   
 $y \geq 4x + 1$



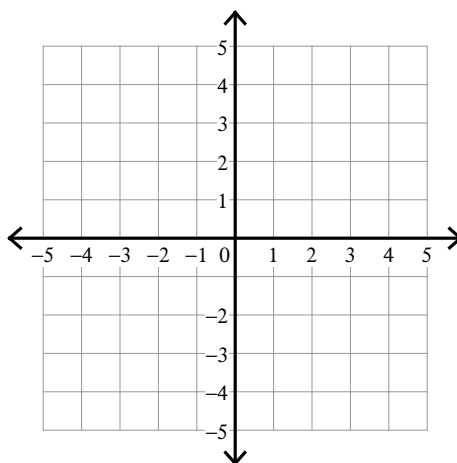
$$5) \ y \geq \frac{1}{3}x - 1$$

$$y \leq \frac{4}{3}x + 2$$



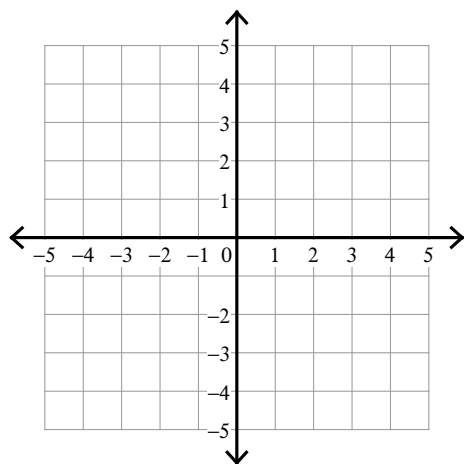
$$6) \ y > -\frac{1}{3}x - 3$$

$$y \leq \frac{5}{3}x + 3$$



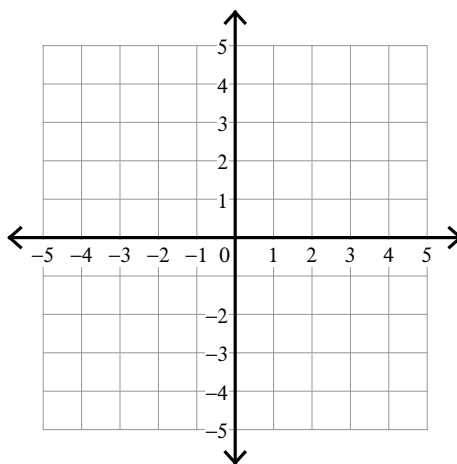
$$7) \ 2x + y < -3$$

$$2x - y \leq -1$$



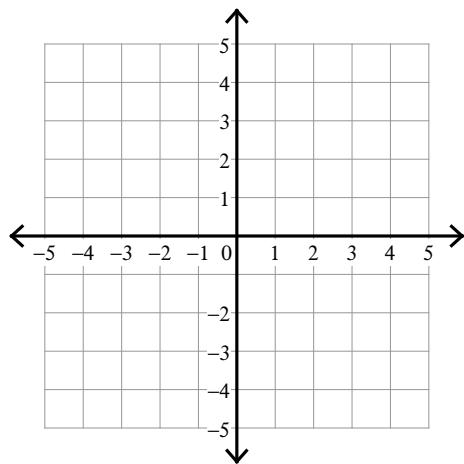
$$8) \ 3x + y > -3$$

$$x + 2y < 4$$



$$9) \ x + y \geq -3$$

$$5x - y \leq -3$$



$$10) \ 3x - y \geq -1$$

$$x + y \leq -3$$

