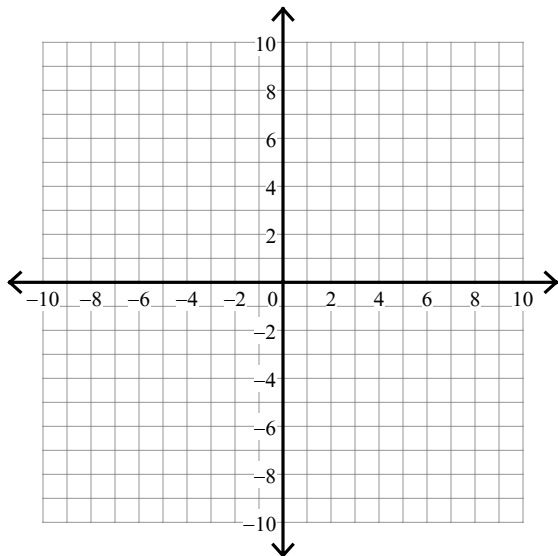


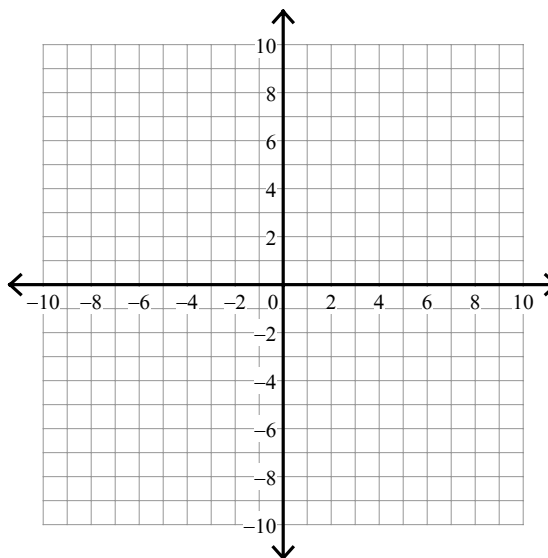
Test1 - Review

Solve each system by graphing.

$$1) \begin{aligned} y &= -2x + 9 \\ y &= -\frac{1}{3}x + 4 \end{aligned}$$



$$2) \begin{aligned} y &= -6x - 4 \\ y &= x + 3 \end{aligned}$$



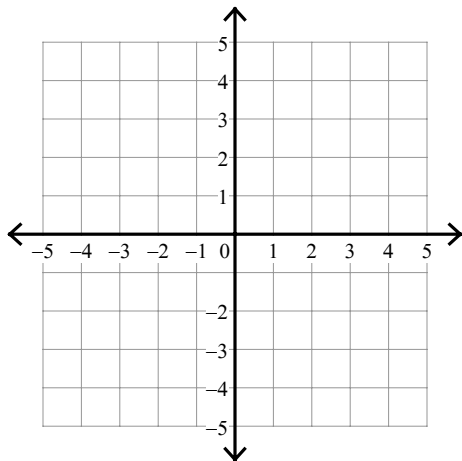
Write the slope-intercept form of the equation of each line.

$$3) 9 + 4x = 3y$$

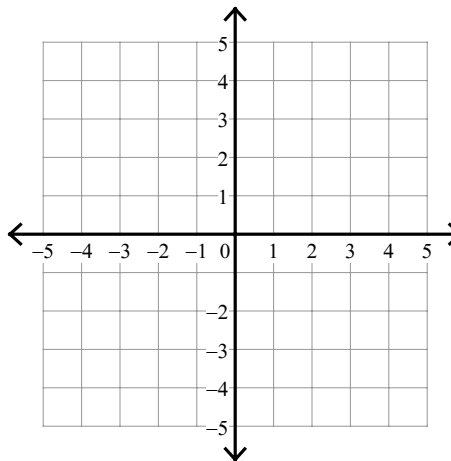
$$4) 3 = 2x + y$$

Solve each system by graphing.

$$5) \begin{aligned} x &= y + 2 \\ 5x &= -2 + y \end{aligned}$$



$$6) \begin{aligned} x + 1 &= y \\ 2 &= 4x - y \end{aligned}$$



Solve in geogebra

7) $y = -3x - 10$

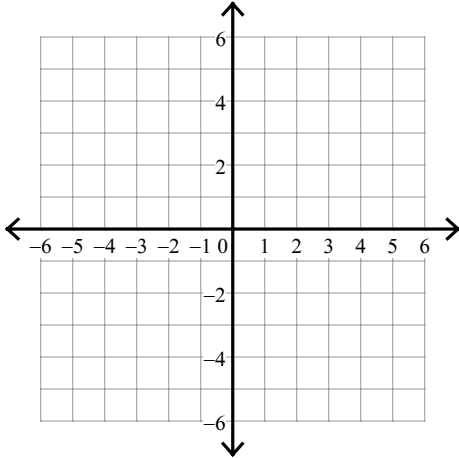
$$y = -\frac{1}{3}x + 6$$

8) $y = -\frac{11}{4}x - 12$

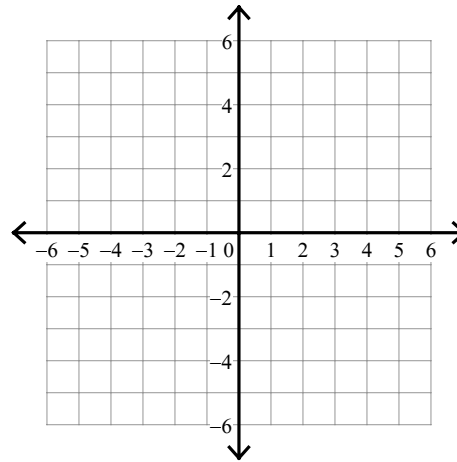
$$y = 5x + 19$$

Sketch the graph of each linear inequality.

9) $y < 3x + 1$



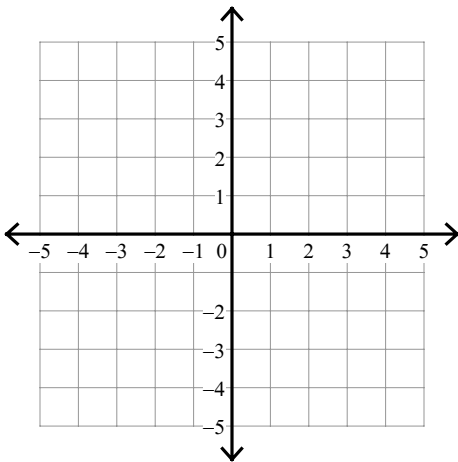
10) $y \leq \frac{1}{5}x + 1$



Sketch the solution to each system of inequalities.

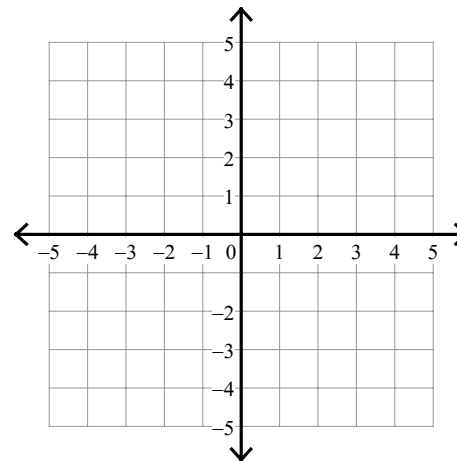
11) $y > \frac{1}{3}x + 3$

$$y \leq -\frac{1}{3}x + 1$$



12) $y > -2x - 1$

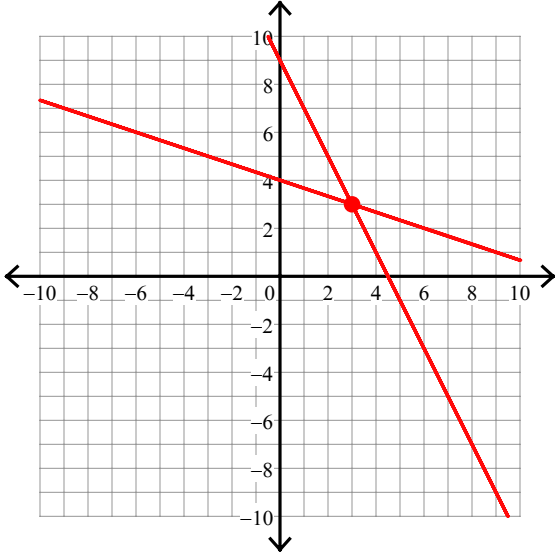
$$y \geq -\frac{1}{2}x + 2$$



Test1 - Review

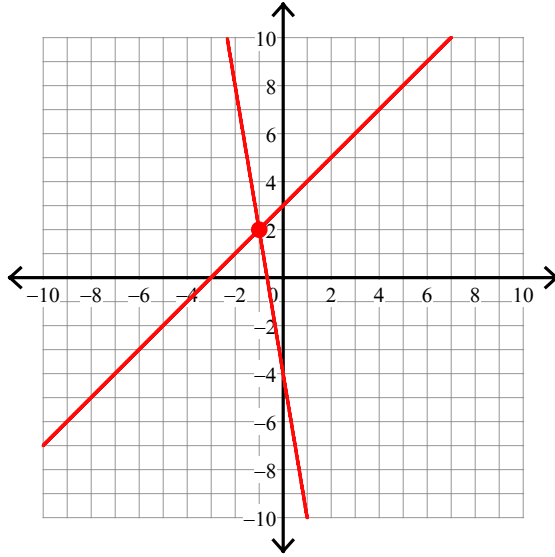
Solve each system by graphing.

$$1) \begin{aligned} y &= -2x + 9 \\ y &= -\frac{1}{3}x + 4 \end{aligned}$$



(3, 3)

$$2) \begin{aligned} y &= -6x - 4 \\ y &= x + 3 \end{aligned}$$



(-1, 2)

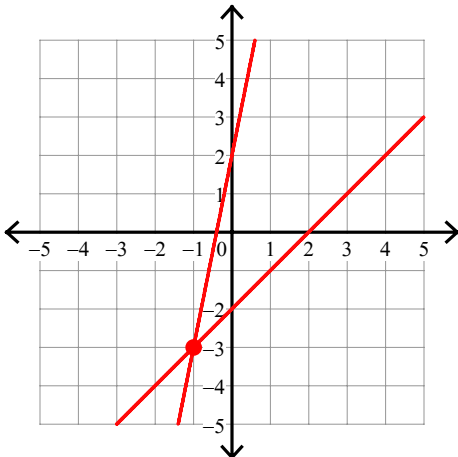
Write the slope-intercept form of the equation of each line.

$$3) \begin{aligned} 9 + 4x &= 3y \\ y &= \frac{4}{3}x + 3 \end{aligned}$$

$$4) \begin{aligned} 3 &= 2x + y \\ y &= -2x + 3 \end{aligned}$$

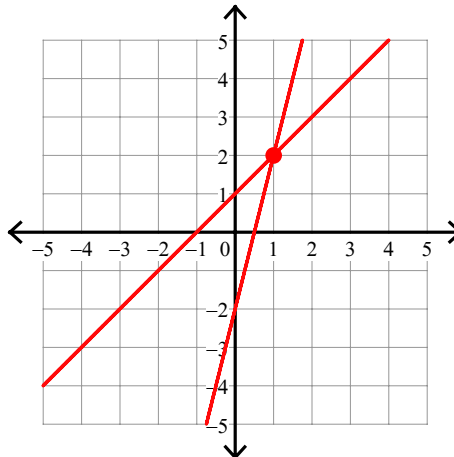
Solve each system by graphing.

$$5) \begin{aligned} x &= y + 2 \\ 5x &= -2 + y \end{aligned}$$



(-1, -3)

$$6) \begin{aligned} x + 1 &= y \\ 2 &= 4x - y \end{aligned}$$



(1, 2)

Solve in geogebra

7) $y = -3x - 10$

$$y = -\frac{1}{3}x + 6$$

$(-6, 8)$

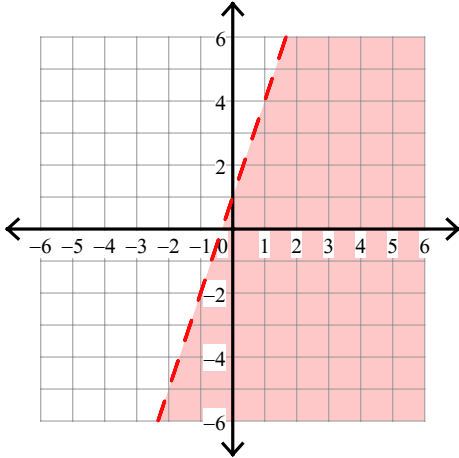
8) $y = -\frac{11}{4}x - 12$

$$y = 5x + 19$$

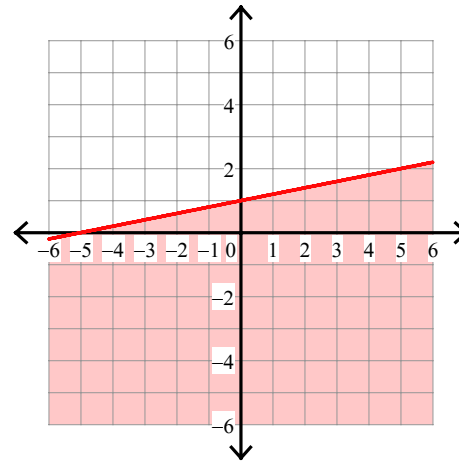
$(-4, -1)$

Sketch the graph of each linear inequality.

9) $y < 3x + 1$



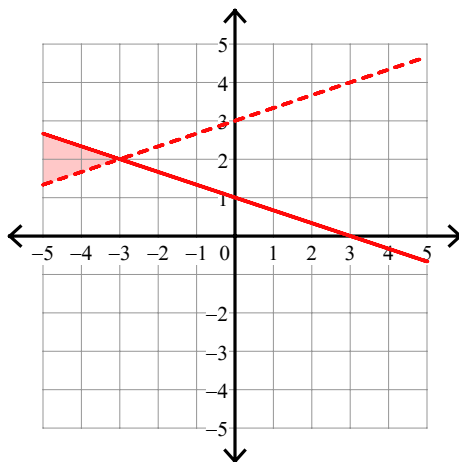
10) $y \leq \frac{1}{5}x + 1$



Sketch the solution to each system of inequalities.

11) $y > \frac{1}{3}x + 3$

$$y \leq -\frac{1}{3}x + 1$$



12) $y > -2x - 1$

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

