

Quiz 3 Practice

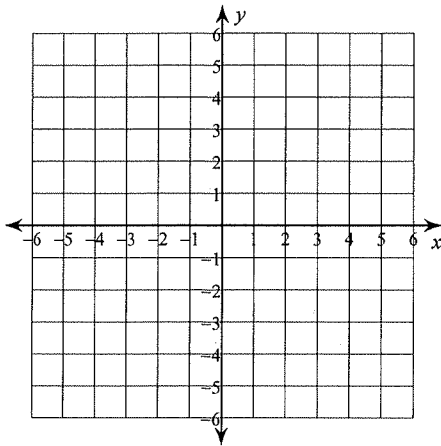
Write the slope-intercept form of the equation of each line.

1) $5y + 7x = -13$

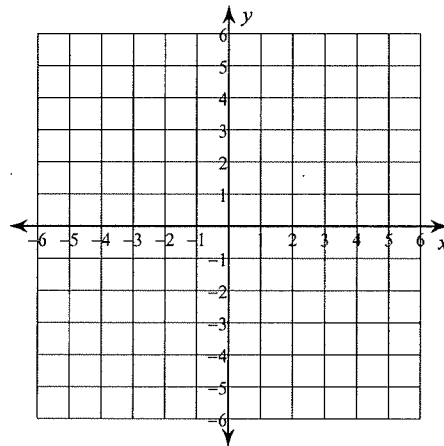
2) $-27 - 9y = 15x$

Sketch the graph of each line.

3) $y = -2x + 1$



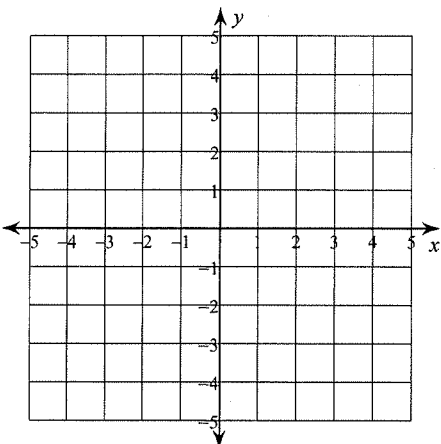
4) $-2x = -4y + 20$



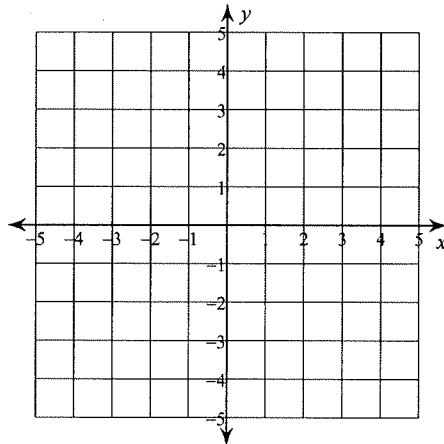
Solve each system by graphing.

5) $y = \frac{1}{2}x - 3$

$y = -2x + 2$



6) $y = 4$
 $y = -2x - 4$



Solve each system by substitution.

$$\begin{aligned} 7) \quad & 2x + 3y = -6 \\ & y = -2 \end{aligned}$$

$$\begin{aligned} 8) \quad & y = 3x - 1 \\ & 3x - 4y = 13 \end{aligned}$$

$$\begin{aligned} 9) \quad & x + 7y = -1 \\ & 4x + 2y = -4 \end{aligned}$$

$$\begin{aligned} 10) \quad & 2x + 6y = -2 \\ & x - 2y = 9 \end{aligned}$$

Solve each equation.

$$11) \quad 2(4x + 4) + 2x = 48$$

$$12) \quad 3(3 - 3b) = 45$$

Quiz 3 Practice

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

1) $5y + 7x = -13$

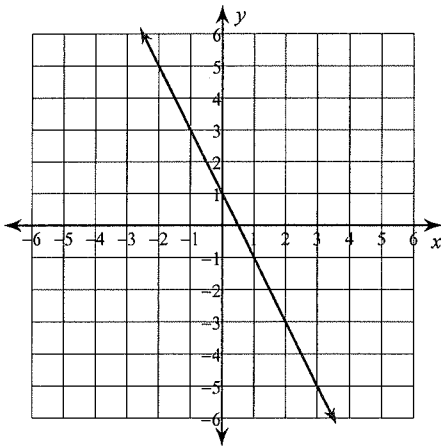
$$y = -\frac{7}{5}x - \frac{13}{5}$$

2) $-27 - 9y = 15x$

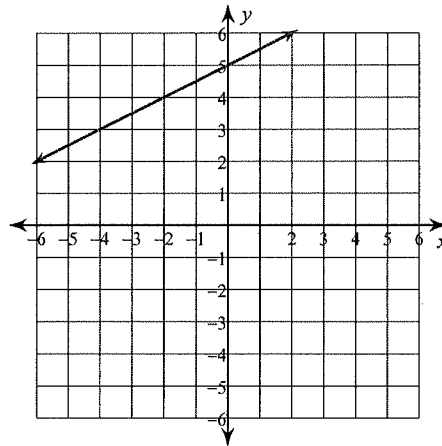
$$y = -\frac{5}{3}x - 3$$

Sketch the graph of each line.

3) $y = -2x + 1$



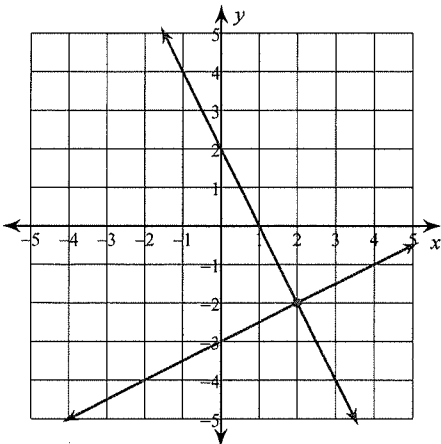
4) $-2x = -4y + 20$



Solve each system by graphing.

5) $y = \frac{1}{2}x - 3$

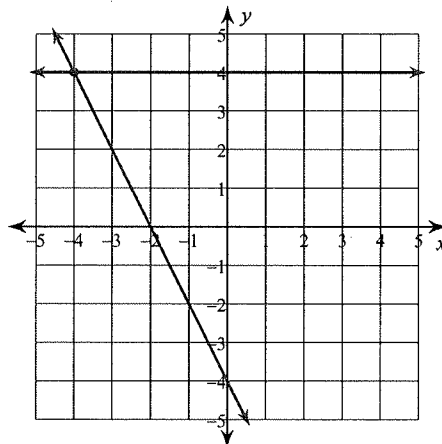
$$y = -2x + 2$$



$(2, -2)$

6) $y = 4$

$$y = -2x - 4$$



$(-4, 4)$

Solve each system by substitution.

$$\begin{aligned} 7) \quad & 2x + 3y = -6 \\ & y = -2 \\ & (0, -2) \end{aligned}$$

$$\begin{aligned} 8) \quad & y = 3x - 1 \\ & 3x - 4y = 13 \\ & (-1, -4) \end{aligned}$$

$$\begin{aligned} 9) \quad & x + 7y = -1 \\ & 4x + 2y = -4 \\ & (-1, 0) \end{aligned}$$

$$\begin{aligned} 10) \quad & 2x + 6y = -2 \\ & x - 2y = 9 \\ & (5, -2) \end{aligned}$$

Solve each equation.

$$\begin{aligned} 11) \quad & 2(4x + 4) + 2x = 48 \\ & \{4\} \end{aligned}$$

$$\begin{aligned} 12) \quad & 3(3 - 3b) = 45 \\ & \{-4\} \end{aligned}$$