

Quiz 5 Practice

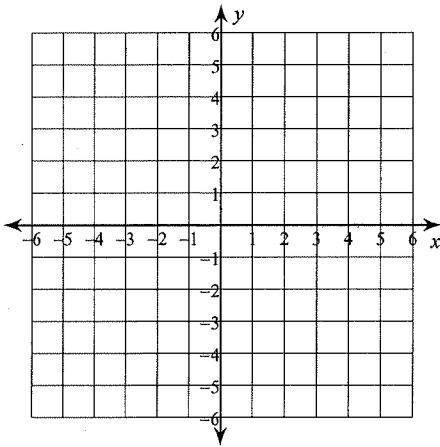
Write the slope-intercept form of the equation of each line.

1) $-2x = 12 + 3y$

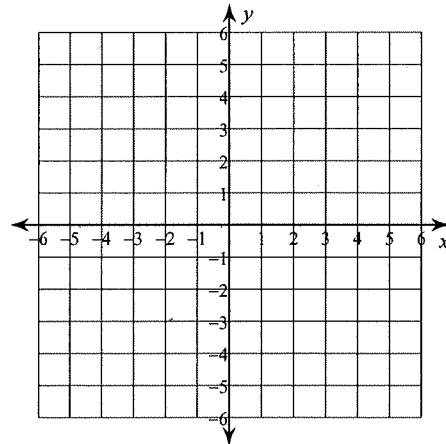
2) $0 = 4 - 2y + 3x$

Sketch the graph of each line.

3) $y = \frac{2}{5}x + 4$



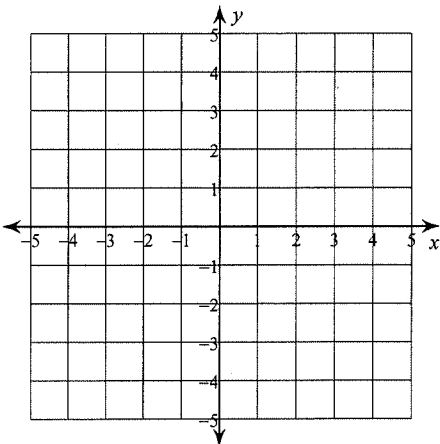
4) $4y - 5x = 8$



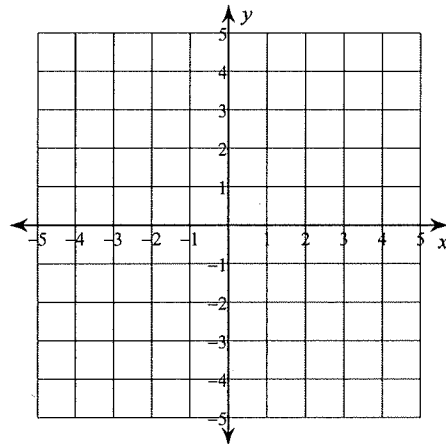
Solve each system by graphing.

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

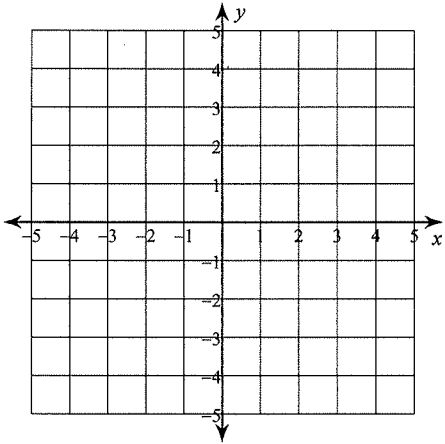
$y = 2x - 1$



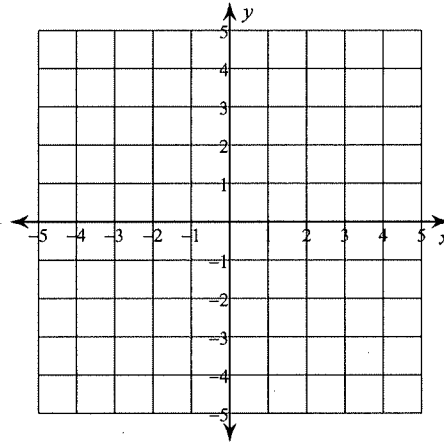
6) $x + 2y = 2$
 $x - 2y = 6$



$$7) \begin{aligned} -2x + 8y &= 16 \\ 0 &= -4y + x + 8 \end{aligned}$$



$$8) \begin{aligned} -9 - 3y - 4x &= 0 \\ 0 &= 12 - 4x - 3y \end{aligned}$$



Solve each system by substitution.

$$9) \begin{aligned} y &= 2x \\ -6x - 5y &= -16 \end{aligned}$$

$$10) \begin{aligned} -9x + 3y &= -5 \\ y &= 3x - 4 \end{aligned}$$

$$11) \begin{aligned} -x + 6y &= 18 \\ y &= 4 \end{aligned}$$

$$12) \begin{aligned} y &= x - 1 \\ -3x + 3y &= -3 \end{aligned}$$

$$13) \begin{aligned} 2x + y &= -8 \\ -2x - 4y &= 14 \end{aligned}$$

$$14) \begin{aligned} x - 4y &= -10 \\ 5x + 3y &= -4 \end{aligned}$$

Quiz 5 Practice

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

1) $-2x = 12 + 3y$

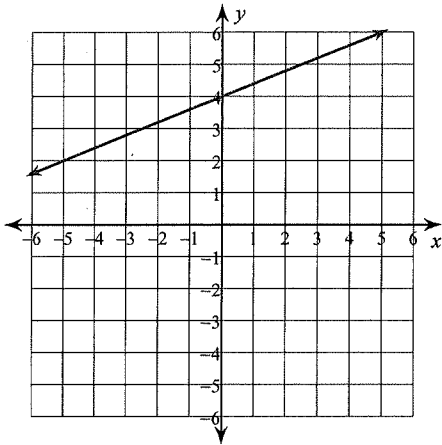
$$y = -\frac{2}{3}x - 4$$

2) $0 = 4 - 2y + 3x$

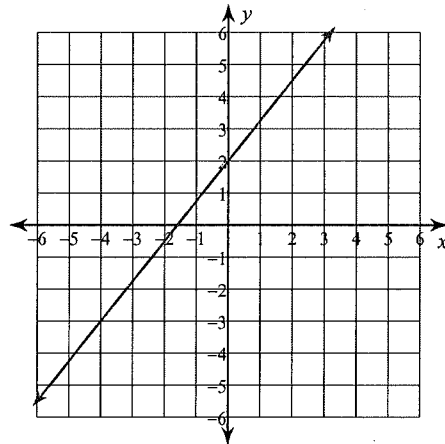
$$y = \frac{3}{2}x + 2$$

Sketch the graph of each line.

3) $y = \frac{2}{5}x + 4$



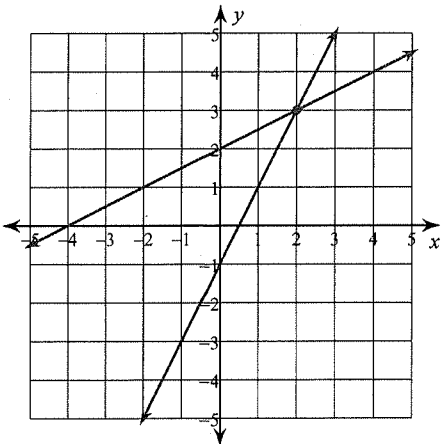
4) $4y - 5x = 8$



Solve each system by graphing.

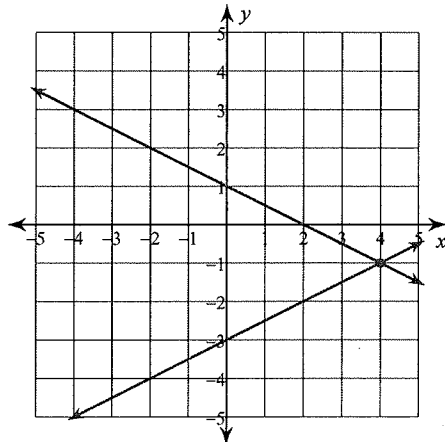
5) $y = \frac{1}{2}x + 2$

$y = 2x - 1$



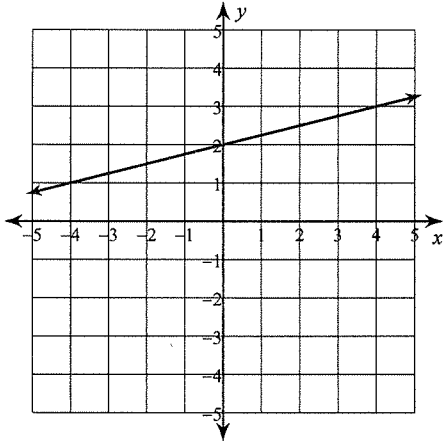
(2, 3)

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



(4, -1)

$$7) \begin{aligned} -2x + 8y &= 16 \\ 0 &= -4y + x + 8 \end{aligned}$$

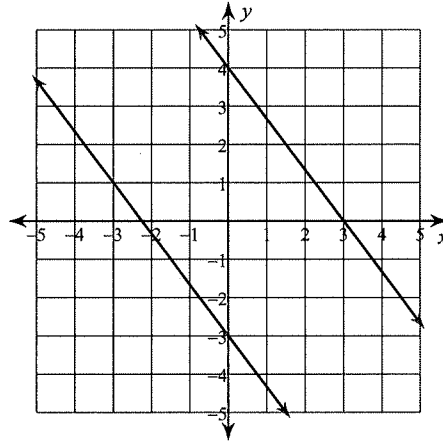


Infinite number of solutions
Solve each system by substitution.

$$9) \begin{aligned} y &= 2x \\ -6x - 5y &= -16 \end{aligned}$$

$(1, 2)$

$$8) \begin{aligned} -9 - 3y - 4x &= 0 \\ 0 &= 12 - 4x - 3y \end{aligned}$$



No solution

$$10) \begin{aligned} -9x + 3y &= -5 \\ y &= 3x - 4 \end{aligned}$$

No solution

$$11) \begin{aligned} -x + 6y &= 18 \\ y &= 4 \end{aligned}$$

$(6, 4)$

$$12) \begin{aligned} y &= x - 1 \\ -3x + 3y &= -3 \end{aligned}$$

Infinite number of solutions

$$13) \begin{aligned} 2x + y &= -8 \\ -2x - 4y &= 14 \end{aligned}$$

$(-3, -2)$

$$14) \begin{aligned} x - 4y &= -10 \\ 5x + 3y &= -4 \end{aligned}$$

$(-2, 2)$