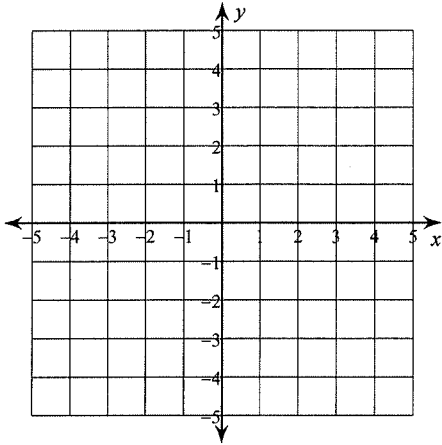


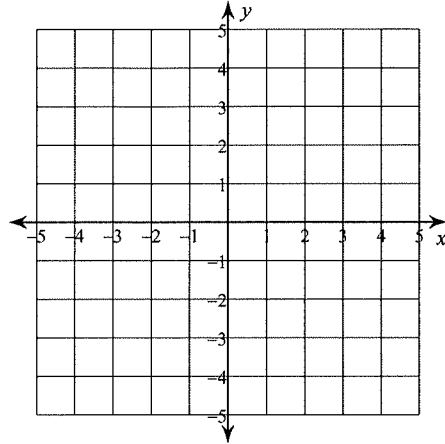
Quiz 8 Practice

Solve each system by graphing.

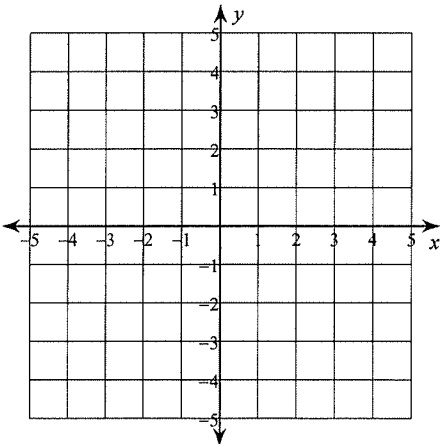
1) $y = \frac{1}{2}x - 2$
 $y = \frac{3}{2}x + 2$



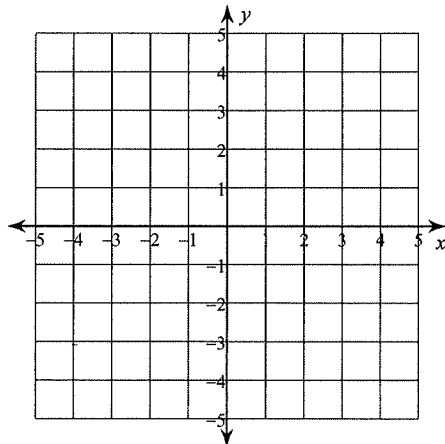
2) $y = 2$
 $y = \frac{3}{4}x - 1$



3) $-2y + 5x = -4$
 $0 = -2y - 8 - x$



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



Solve each system by substitution.

5) $y = 6$
 $-2x + 5y = 22$

6) $y = 3x$
 $4x - 5y = -11$

Simplify each expression.

7) $9(-8b + 3) - 8(b + 4)$

8) $-2(r - 1) + 2(-7 + 4r)$

Evaluate each using the values given.

9) $(y)(y - x)$; use $x = -6$, and $y = -3$

10) $x - y^2$; use $x = 4$, and $y = 4$

11) $x - (x + y) + x$; use $x = -6$, and $y = 3$

12) $q + p^2 + p$; use $p = -2$, and $q = -1$

13) $(x + y)^2$; use $x = 4$, and $y = 1$

14) $j - (h - j)$; use $h = 6$, and $j = 4$

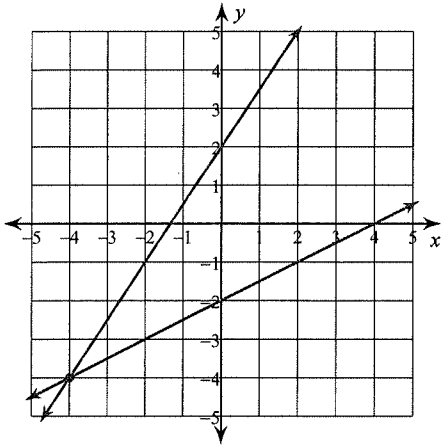
15) $|x - y|$; use $x = -4$, and $y = 1$

16) $z - |-6 - x|$; use $x = -1$, and $z = 4$

Quiz 8 Practice

Solve each system by graphing.

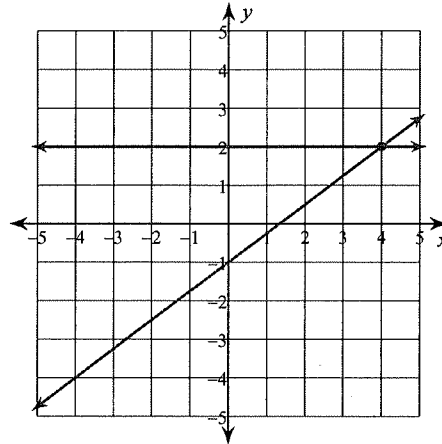
1) $y = \frac{1}{2}x - 2$
 $y = \frac{3}{2}x + 2$



$(-4, -4)$

$(-4, -4)$

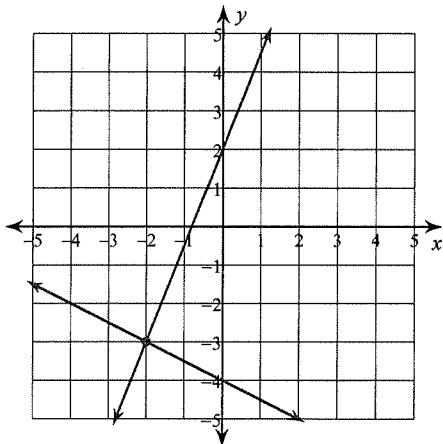
2) $y = 2$
 $y = \frac{3}{4}x - 1$



$(4, 2)$

$(4, 2)$

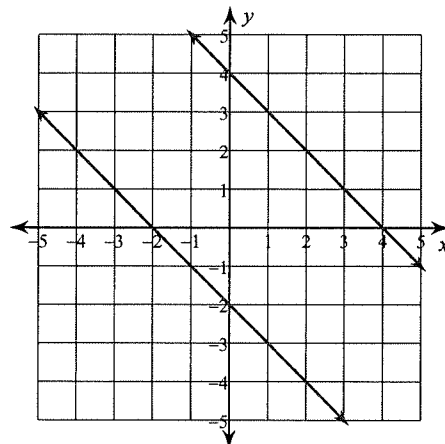
3) $-2y + 5x = -4$
 $0 = -2y - 8 - x$



$(-2, -3)$

$(-2, -3)$

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



No solution

No solution

Solve each system by substitution.

$$\begin{aligned} 5) \quad & y = 6 \\ & -2x + 5y = 22 \\ & (4, 6) \end{aligned}$$

$$\begin{aligned} 6) \quad & y = 3x \\ & 4x - 5y = -11 \\ & (1, 3) \end{aligned}$$

Simplify each expression.

$$\begin{aligned} 7) \quad & 9(-8b + 3) - 8(b + 4) \\ & -80b - 5 \end{aligned}$$

$$\begin{aligned} 8) \quad & -2(r - 1) + 2(-7 + 4r) \\ & 6r - 12 \end{aligned}$$

Evaluate each using the values given.

$$\begin{aligned} 9) \quad & (y)(y - x); \text{ use } x = -6, \text{ and } y = -3 \\ & -9 \end{aligned}$$

$$\begin{aligned} 10) \quad & x - y^2; \text{ use } x = 4, \text{ and } y = 4 \\ & -12 \end{aligned}$$

$$\begin{aligned} 11) \quad & x - (x + y) + x; \text{ use } x = -6, \text{ and } y = 3 \\ & -9 \end{aligned}$$

$$\begin{aligned} 12) \quad & q + p^2 + p; \text{ use } p = -2, \text{ and } q = -1 \\ & 1 \end{aligned}$$

$$\begin{aligned} 13) \quad & (x + y)^2; \text{ use } x = 4, \text{ and } y = 1 \\ & 25 \end{aligned}$$

$$\begin{aligned} 14) \quad & j - (h - j); \text{ use } h = 6, \text{ and } j = 4 \\ & 2 \end{aligned}$$

$$\begin{aligned} 15) \quad & |x - y|; \text{ use } x = -4, \text{ and } y = 1 \\ & 5 \end{aligned}$$

$$\begin{aligned} 16) \quad & z - |-6 - x|; \text{ use } x = -1, \text{ and } z = 4 \\ & -1 \end{aligned}$$