

Solve each equation by graphing.

$$1) \begin{aligned} y &= -x + 1 \\ y &= -5x - 3 \end{aligned}$$

$$2) \begin{aligned} y &= -\frac{5}{4}x - 2 \\ y &= -\frac{1}{4}x + 2 \end{aligned}$$

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

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

$$5) \begin{aligned} y &= -\frac{3}{4}x + 1 \\ y &= -\frac{3}{4}x + 2 \end{aligned}$$

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

$$7) \begin{aligned} y &= \frac{1}{3}x + 2 \\ y &= -\frac{5}{3}x - 4 \end{aligned}$$

$$8) \begin{aligned} y &= 2x - 4 \\ y &= \frac{1}{2}x + 2 \end{aligned}$$

$$9) \begin{aligned} y &= \frac{5}{3}x + 4 \\ y &= -\frac{2}{3}x - 3 \end{aligned}$$

$$10) \begin{aligned} y &= \frac{1}{2}x + 4 \\ y &= \frac{1}{2}x + 1 \end{aligned}$$

$$11) \begin{aligned} x + 3y &= -9 \\ 5x + 3y &= 3 \end{aligned}$$

$$12) \begin{aligned} x + 4y &= -12 \\ 2x + y &= 4 \end{aligned}$$

$$13) \begin{aligned} x - y &= 4 \\ 2x + y &= -1 \end{aligned}$$

$$14) \begin{aligned} 6x + y &= -3 \\ x + y &= 2 \end{aligned}$$

$$15) \begin{aligned} 2x + 3y &= -6 \\ 2x + y &= 2 \end{aligned}$$

$$16) \begin{aligned} 3x + 2y &= 2 \\ 3x + 2y &= -6 \end{aligned}$$

$$17) \begin{aligned} 2x + y &= 2 \\ x - y &= 4 \end{aligned}$$

$$18) \begin{aligned} x + 2y &= 6 \\ 5x - 4y &= 16 \end{aligned}$$

$$19) \begin{aligned} 2x + y &= -2 \\ x + 3y &= 9 \end{aligned}$$

$$20) \begin{aligned} x - y &= 3 \\ 5x + 2y &= 8 \end{aligned}$$

$$21) \begin{aligned} 0 &= -6x - 9y + 36 \\ 12 &= 6x - 3y \end{aligned}$$

$$22) \begin{aligned} -2y + x &= 4 \\ 2 &= -x + \frac{1}{2}y \end{aligned}$$

$$23) \begin{aligned} 2x - y &= -1 \\ 0 &= -2x - y - 3 \end{aligned}$$

$$24) \begin{aligned} -2y &= -4 - x \\ -2y &= -5x + 4 \end{aligned}$$

$$25) \begin{aligned} 3 + y &= -x \\ -4 - 6x &= -y \end{aligned}$$

$$26) \begin{aligned} 16 &= -x - 4y \\ -2x &= -4 - 4y \end{aligned}$$

$$27) \begin{aligned} -y + 7x &= 4 \\ -y - 3 + 7x &= 0 \end{aligned}$$

$$28) \begin{aligned} -4 + y &= x \\ x + 2 &= -y \end{aligned}$$

Solve each system by substitution.

$$\begin{aligned} 1) \quad & y = -3x \\ & y = 6x - 9 \end{aligned}$$

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

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

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

$$\begin{aligned} 5) \quad & y = 6x + 4 \\ & y = -3x - 5 \end{aligned}$$

$$\begin{aligned} 6) \quad & y = 3x + 13 \\ & y = -2x - 22 \end{aligned}$$

$$\begin{aligned} 7) \quad & y = 3x + 2 \\ & y = -3x + 8 \end{aligned}$$

$$\begin{aligned} 8) \quad & y = -2x - 9 \\ & y = -5x - 21 \end{aligned}$$

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

$$\begin{aligned} 10) \quad & y = 7x - 24 \\ & y = -3x + 16 \end{aligned}$$

$$\begin{aligned} 11) \quad & y = 6x - 6 \\ & -3x - 3y = -24 \end{aligned}$$

$$\begin{aligned} 12) \quad & -x + 3y = 12 \\ & y = 6x + 21 \end{aligned}$$

$$\begin{aligned} 13) \quad & y = -6 \\ & 3x - 6y = 30 \end{aligned}$$

$$\begin{aligned} 14) \quad & 6x - 4y = -8 \\ & y = -6x + 2 \end{aligned}$$

$$\begin{aligned} 15) \quad & y = -5 \\ & 3x + 4y = -17 \end{aligned}$$

$$\begin{aligned} 16) \quad & 7x + 2y = -7 \\ & y = 5x + 5 \end{aligned}$$

$$\begin{aligned} 17) \quad & -2x + 2y = 18 \\ & y = 7x + 15 \end{aligned}$$

$$\begin{aligned} 18) \quad & y = x + 4 \\ & 3x - 4y = -19 \end{aligned}$$

$$\begin{aligned} 19) \quad & y = -8x + 19 \\ & -x + 6y = 16 \end{aligned}$$

$$\begin{aligned} 20) \quad & y = -2x + 8 \\ & -7x - 6y = -8 \end{aligned}$$

$$\begin{aligned} 21) \quad & 7x - 2y = -7 \\ & y = 7 \end{aligned}$$

$$\begin{aligned} 22) \quad & x - 2y = -13 \\ & 4x + 2y = 18 \end{aligned}$$

$$\begin{aligned} 23) \quad & x - 5y = 7 \\ & 2x + 7y = -20 \end{aligned}$$

$$\begin{aligned} 24) \quad & 3x - 4y = 15 \\ & 7x + y = 4 \end{aligned}$$

$$\begin{aligned} 25) \quad & -2x - y = -5 \\ & x - 8y = -23 \end{aligned}$$

$$\begin{aligned} 26) \quad & 6x + 4y = 16 \\ & -2x + y = -3 \end{aligned}$$

$$\begin{aligned} 27) \quad & -6x + y = 20 \\ & -3x - 3y = -18 \end{aligned}$$

$$\begin{aligned} 28) \quad & 7x + 5y = -13 \\ & x - 4y = -16 \end{aligned}$$

$$\begin{aligned} 29) \quad & 3x + y = 9 \\ & 2x + 8y = -16 \end{aligned}$$

$$\begin{aligned} 30) \quad & -5x - 5y = -20 \\ & -2x + y = 7 \end{aligned}$$
