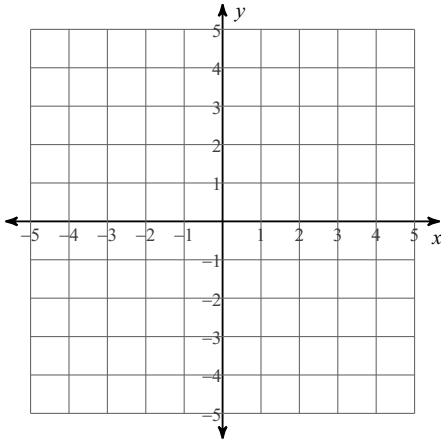


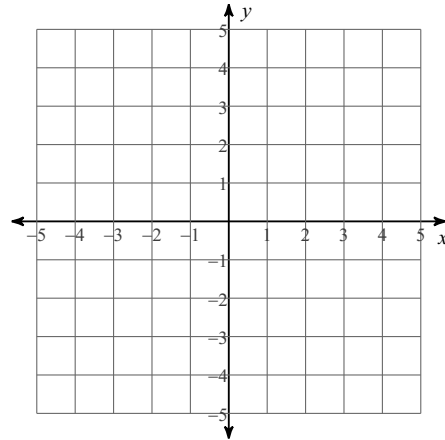
Systems of Equations

Solve each system by graphing.

$$\begin{aligned} 1) \quad &6y + 12 = 4x \\ &8x = -12 + 3y \end{aligned}$$



$$\begin{aligned} 2) \quad &3 + y + 4x = 0 \\ &6 - 2y + 4x = 0 \end{aligned}$$



Solve each system by substitution.

$$\begin{aligned} 3) \quad &8x + 7y = -13 \\ &x - 2y = -16 \end{aligned}$$

$$\begin{aligned} 4) \quad &-3x + 6y = -6 \\ &8x + y = 16 \end{aligned}$$

Solve each system by elimination.

$$\begin{aligned} 5) \quad &-2y = -27 - 5x \\ &0 = -x - \frac{1}{3} + \frac{5}{3}y \end{aligned}$$

$$\begin{aligned} 6) \quad &10x - 2y = -14 \\ &7x - 7y = -21 \end{aligned}$$

Solve each system.

$$\begin{aligned} 7) \quad &-2x + 2y + z = -3 \\ &-y - 2z = -6 \\ &-x + y - 5z = -7 \end{aligned}$$

$$\begin{aligned} 8) \quad &3x + 2y = 6 \\ &6x + 5y - 4z = -8 \\ &z = 6x - 7 \end{aligned}$$

$$\begin{aligned} 9) \quad &4x + 5y - 6z = 20 \\ &-3x - 2y + 6z = -11 \\ &6x + 6y - z = 8 \end{aligned}$$

$$\begin{aligned} 10) \quad &5x + 5y + 4z = -9 \\ &3x + 4y + z = -13 \\ &-4x + 5y - z = -2 \end{aligned}$$