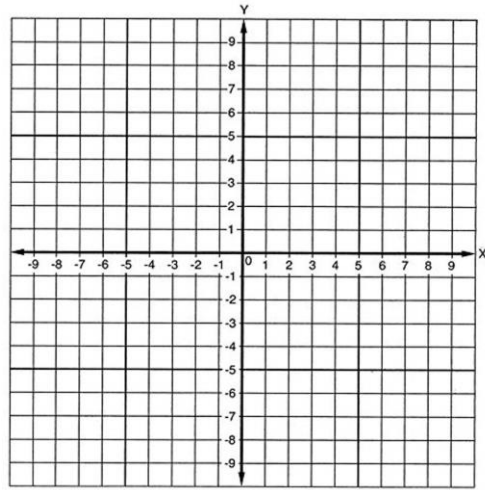


Classwork on System of Equations

Solve the following system by graphing.

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



Solve each system by method of choice. If a system has no solution or infinite solutions, say so.

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

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

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

$$\begin{aligned} 5) \quad & -2x - y - 4z = 6 \\ & 5x + y + 6z = -1 \\ & z = -2x + 5 \end{aligned}$$

$$\begin{aligned} 6) \quad & -x - 6y - z = -11 \\ & 3x - 5y - 3z = 23 \\ & 3x + 5y + 4z = 1 \end{aligned}$$