

Solve each system of equations algebraically.

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

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

$$\begin{aligned} 3) \quad y &= x^2 + 5x - 10 \\ y &= 2x + 18 \end{aligned}$$

$$\begin{aligned} 4) \quad y &= 27 - x^2 \\ y &= 2x^2 \end{aligned}$$

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