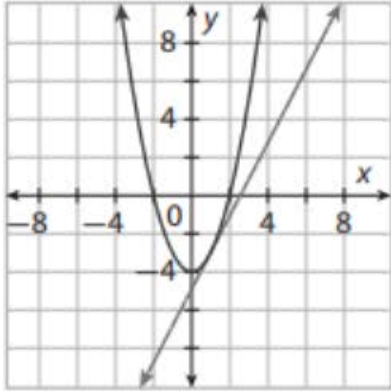


Using Geogebra

1. How many points of intersection are on the graph?



2. How many points of intersection are there on the graph

$$\text{of } \begin{cases} y = x^2 + 3x - 2 \\ y - x = 4 \end{cases} ?$$

Solve each given linear-quadratic system graphically. If necessary, round to the nearest integer.

3.
$$\begin{cases} y = -(x - 2)^2 + 4 \\ y = -5 \end{cases}$$

4.
$$\begin{cases} y - 3 = (x - 1)^2 \\ 2x + y = 5 \end{cases}$$

5.
$$\begin{cases} x = y^2 - 5 \\ -x + 2y = 12 \end{cases}$$

6.
$$\begin{cases} x - 4 = (y + 1)^2 \\ 3x - y = 17 \end{cases}$$

7.
$$\begin{cases} (y - 4)^2 + x^2 = -12x - 20 \\ x = y \end{cases}$$

8.
$$\begin{cases} 5 - y = x^2 + x \\ y + 1 = \frac{3}{4}x \end{cases}$$

9.
$$\begin{cases} 6x + y = -16 \\ y + 7 = x^2 \end{cases}$$

10.
$$\begin{cases} y - 5 = (x - 2)^2 \\ x + 2y = 6 \end{cases}$$

11.
$$\begin{cases} y^2 - 26 = -x^2 \\ x - y = 6 \end{cases}$$

12.
$$\begin{cases} y - 3 = x^2 - 2x \\ 2x + y = 1 \end{cases}$$

13.
$$\begin{cases} y = x^2 + 1 \\ y - 1 = x \end{cases}$$

14.
$$\begin{cases} y = x^2 + 2x + 7 \\ y - 7 = x \end{cases}$$