11. Solve the system by substitution.

$$\begin{cases} x^2 + 3x - y = -5 \\ x + y - 2 = 0 \end{cases}$$

12. Solve the system of equations.

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

13. Solve the system of inequalities by graphing. Indicate one point in the solution set.

$$\begin{cases} y < x^2 - 1 \\ y > 3x^2 - 3 \end{cases}$$

Graph the solution to the set of inequalities.

Indicate one point in the solution set.

14. Find the side of the square with vertical and horizontal sides inscribed in the region representing the solution of the system

$$\begin{cases} y < -x^2 + 2x \\ y > x^2 - 2x \end{cases}$$

The side of the square is _____

(Round to three decimal places as needed.)