

Solving Systems of Equations by Substitution – Quadratics!

Solve the system of equations by substitution.

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

Now check that your answers are correct by substituting them into the equations above.

Answer #1: (,)

Answer #2: (,)

Check answer #1:

Check answer #2:

Solve the system of equations by substitution.

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

Now check that your answers are correct by substituting them into the equations above.

Check answer #1:

Check answer #2:

Solve the system of equations by substitution.

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

Two solutions:

Solve the system of equations by substitution.

$$4. \quad \begin{cases} y = x^2 - 4x + 6 \\ y = 2x^2 + 2x - 1 \end{cases}$$

Two solutions: