

Example:

Solve the system $\begin{cases} y = 2x - 3 \\ y = 2x^2 - 3 \end{cases}$ graphically.

Follow these steps:

1. Graph the linear and quadratic functions in the system on the same grid.
2. The points where the two graphs intersect represent the solutions to the system.
3. In this case, there are two points of intersection.
The solutions to this system are (0, -3) and (1, -1).
4. These solutions can be verified algebraically by substituting each point into both equations.

