

SECTION 5.1: SOLVING SYSTEMS OF EQUATIONS BY GRAPHING

Homework: _____

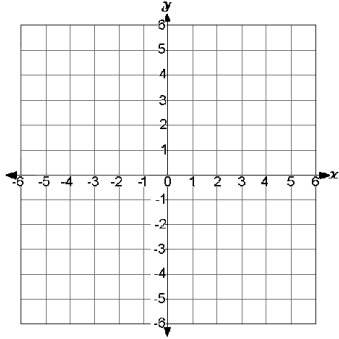
System of Equations: two _____ with two _____.

The solution is an _____.

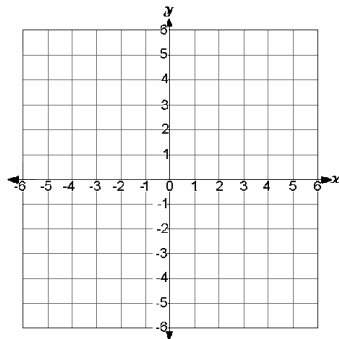
There are three different types of possible answers (below):

Types of Graphs for Systems of Equation

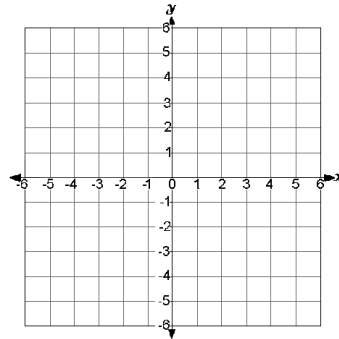
1 Solution



No Solutions



Infinite Solutions



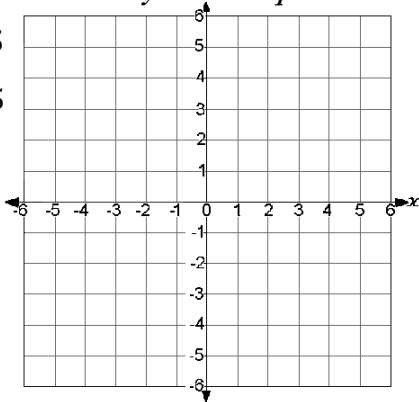
Steps on How to use Graphing

1. Solve each equation for y.
2. Graph the lines
3. Find the intersection

Examples: Solve the system of equations.

$$y = 3x - 5$$

$$y = \frac{1}{2}x + 5$$



$$y = -2x + 2$$

$$y = -2x - 1$$

