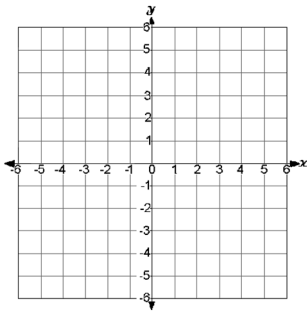


## LESSON C2: SOLVING SYSTEMS OF EQUATIONS BY GRAPHING

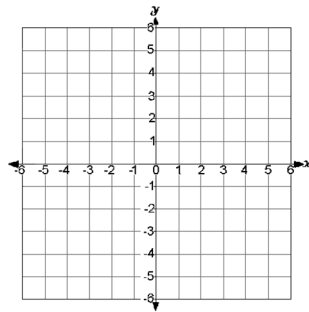
System of Equations: a set of \_\_\_\_\_ or more equations with \_\_\_\_\_ or more variables.

### Types of Graphs for Systems of Equations

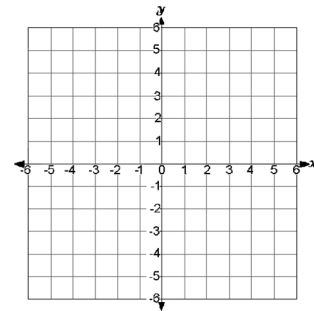
1 Solution



No Solutions



Infinite Solutions

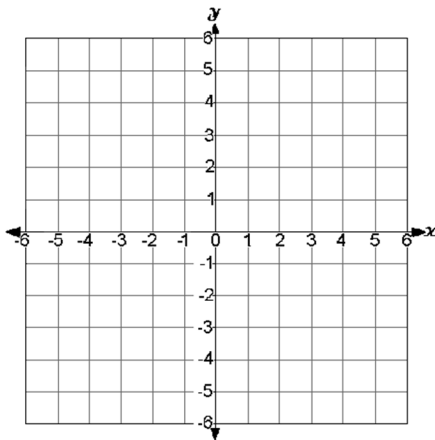


### **Steps on How to use Graphing**

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

**Examples: Solve the system of equations.**

1.  $y = 3x - 5$   
 $x - 2y = -10$



2.  $4x + 2y = 4$   
 $y = -2x - 1$

