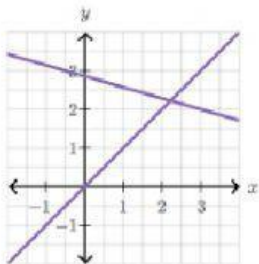


Systems of Equations

A _____ of equations is _____ or more equations

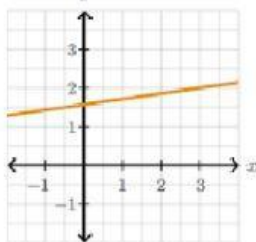
One Solution:

Intersects at one _____ that makes all equations true



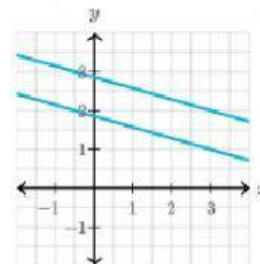
Infinite Solutions:

Equations are the same. All _____ on the line are solutions



No Solution:

Equations are _____
There is no solution



Solving Systems of Equations by Graphing

Steps:

1. Solve each equation for _____ (if necessary)
2. _____ both equations on the same graph
3. The intersection of the lines is the _____ to the system
4. Write your answer as an _____

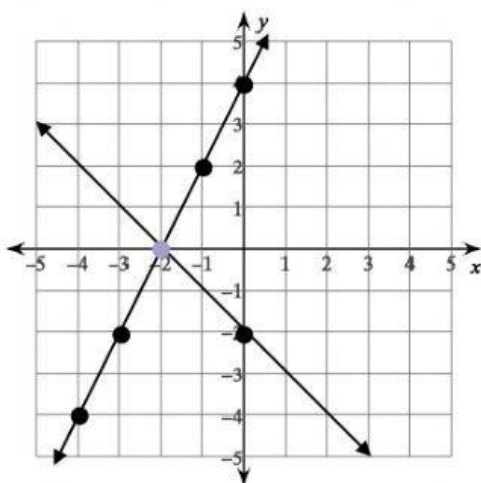
Solving for y reminder:

1. Move the x term to the other side
2. Divide both sides by the coefficient of y

EXAMPLES

$$y = 2x + 4$$

$$y = -4x - 2$$

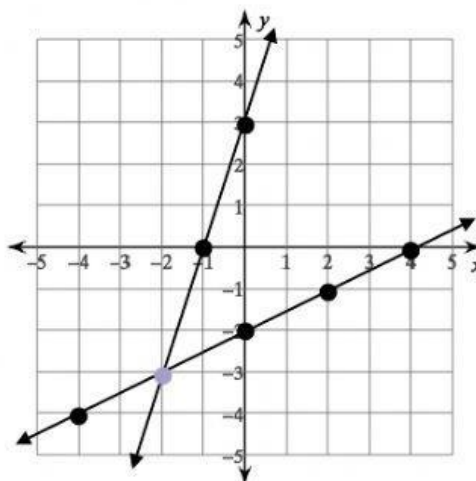


Solution:

$$y = \frac{1}{2}x - 2$$

$$-3x + y = 3$$

$$y = \underline{\hspace{2cm}}$$



Solution: