

# Algebra 1

## Chapter 6

### Section 6-1

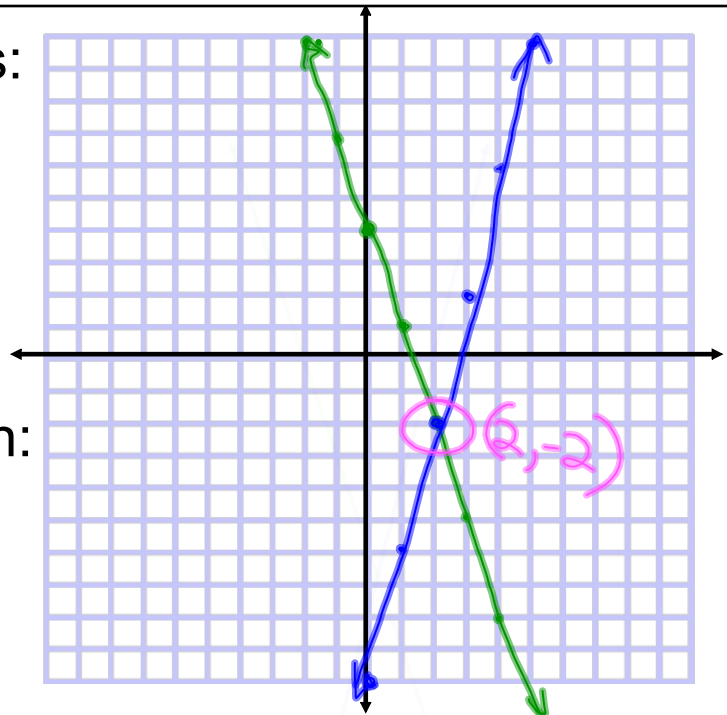
Graph the Equations:

$$y = -3x + 4$$

$$y = 4x - 10$$

Find the Intersection:

$$(2, -2)$$



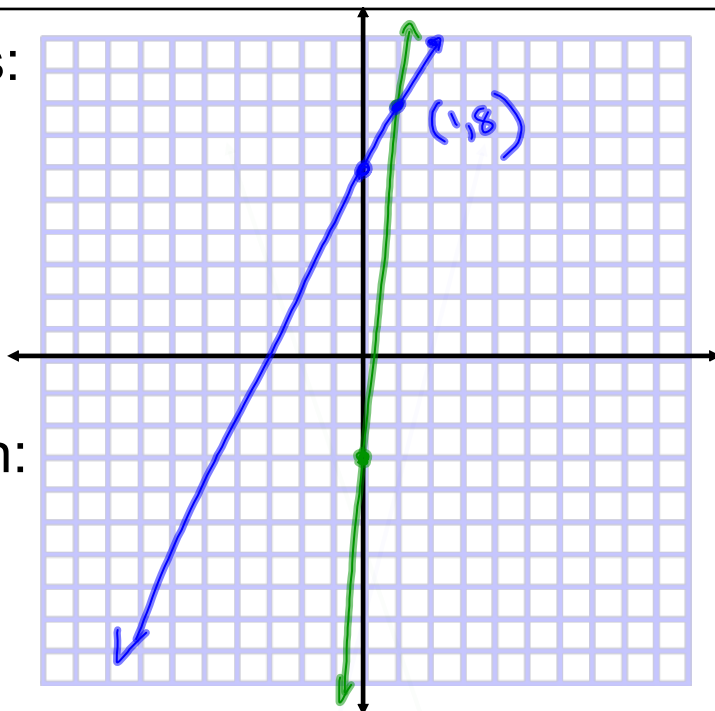
Graph the Equations:

$$y = 11x - 3$$

$$y = 2x + 6$$

Find the Intersection:

$$(1, 8)$$



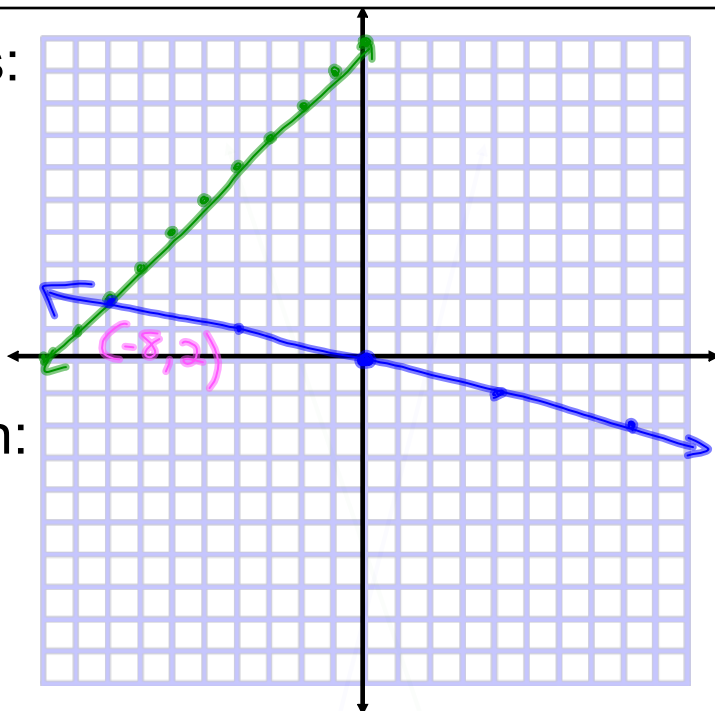
Graph the Equations:

$$y = 1x + 10$$

$$y = -\frac{1}{4}x + 0$$

Find the Intersection:

$$(-8, 2)$$



Graph the Equations:

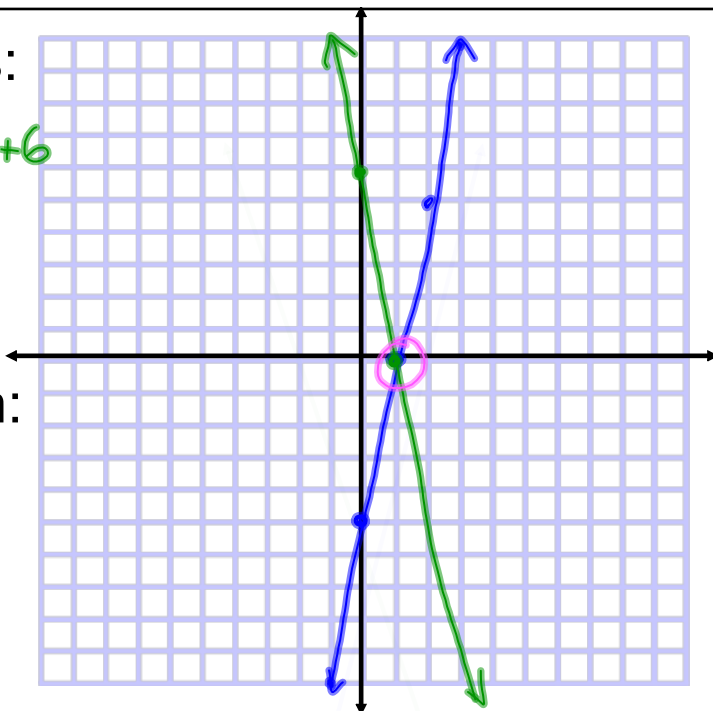
$$6x + y = 6 \rightarrow y = -6x + 6$$

$$5x - 1y = 5$$

$$(1, 0) \text{ \& } (0, -5)$$

Find the Intersection:

$$(1, 0)$$



Graph the Equations:

$$8x + y = -8$$

$$(-1, 0) \quad (0, -8)$$

$$3x + y = 2 \leftarrow \text{slope-int}$$

$$-3x$$

$$-3x$$

$$y = -3x + 2$$

Find the Intersection:

$$(-2, 8)$$



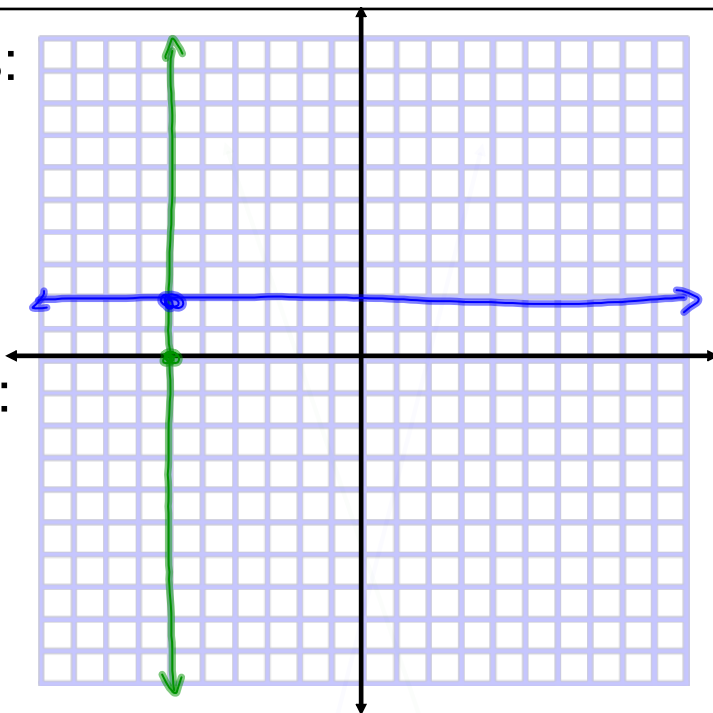
Graph the Equations:

$$x = -6$$

$$y = 2$$

Find the Intersection:

$$(-6, 2)$$



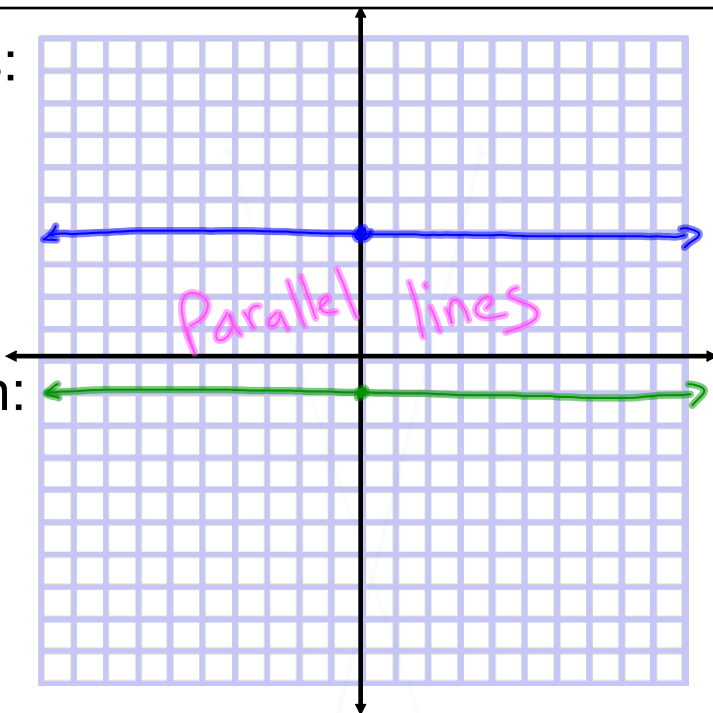
Graph the Equations:

$$y = -1$$

$$y = 4$$

Find the Intersection:

None  
No solution



Graph the Equations:

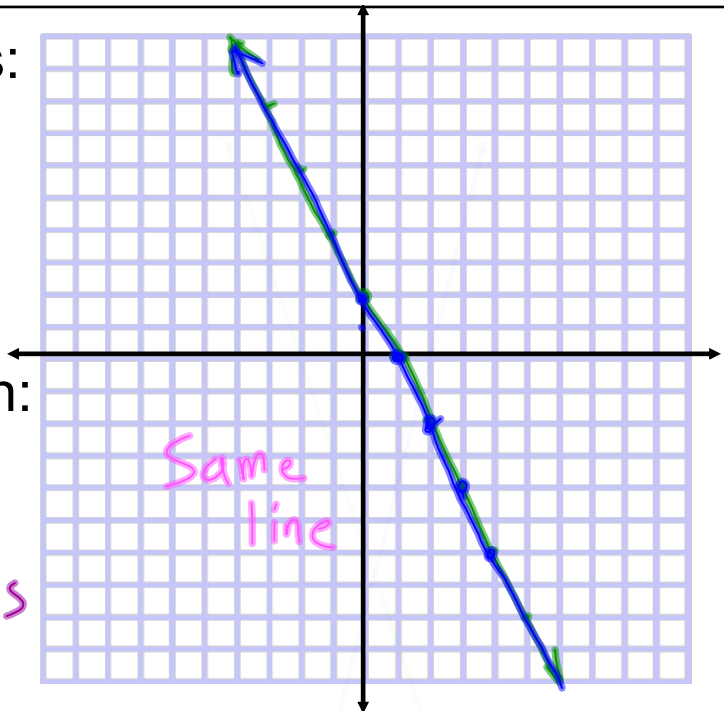
$$6x + 3y = 6$$

$$(1,0) \quad (0,2)$$

$$y = -2x + 2$$

Find the Intersection:

Everywhere  
Infinite solutions



Graph the Equations:

$$2x - 5y = -10$$

$$(-5,0) \quad (0,2)$$

$$x = -10$$

Find the Intersection:

$$(-10, -2)$$

