

NAME: _____

Math _____, Period _____

Mr. Rogove

Date: _____

LEARNING OBJECTIVE: We will graph vertical and horizontal lines.
(G8M4L13)

CONCEPT DEVELOPMENT:

Find 4 solutions to graph the equation

$1x + 0y = 5$

$x = 5$

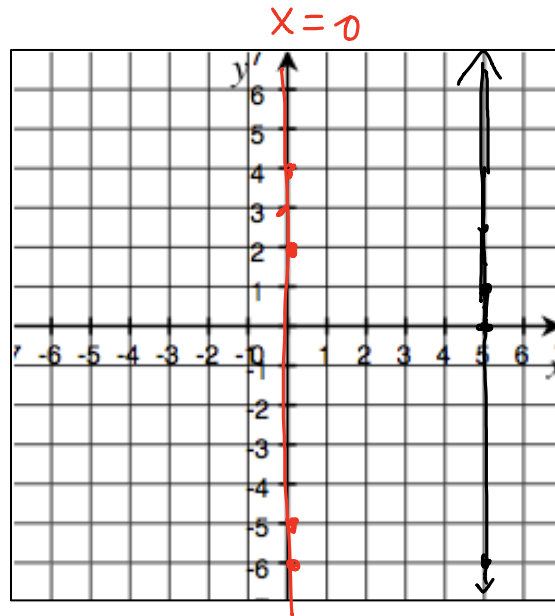
Vertical Lines: The graph $x = c$ is the vertical line that passes through $(c, 0)$ where c is a constant.

Examples:

$x = -3$

$x = 2.4$

X	Y
5	1
5	2.5
5	-6
5	10



$x=c$, parallel to y -axis!

Find 4 solutions to graph the equation $0x + 1y = 2$

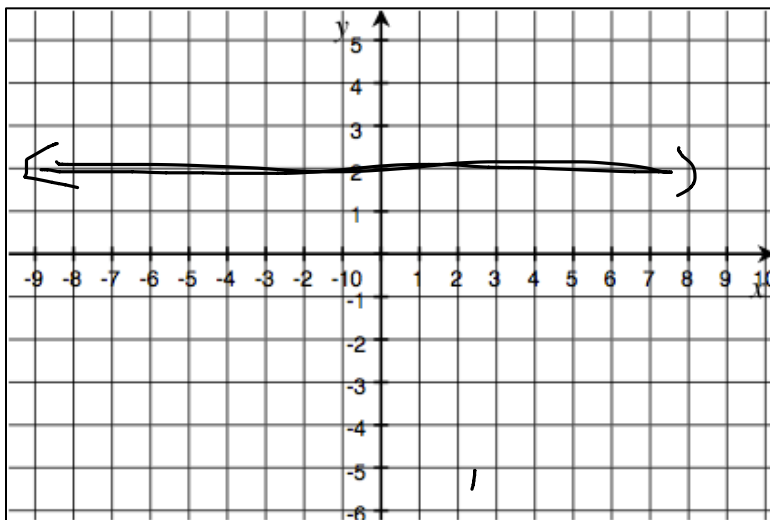
$y = 2$

Horizontal Lines: The graph $y = c$ is the horizontal line that passes through $(0, c)$ where c is a constant.

Examples:

$y = -10$

$y = 2.9$



$y=c$, parallel to x -axis

NAME: _____

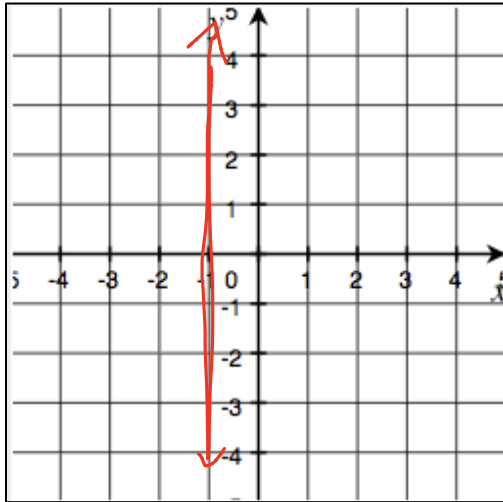
Math _____, Period _____

Mr. Rogove

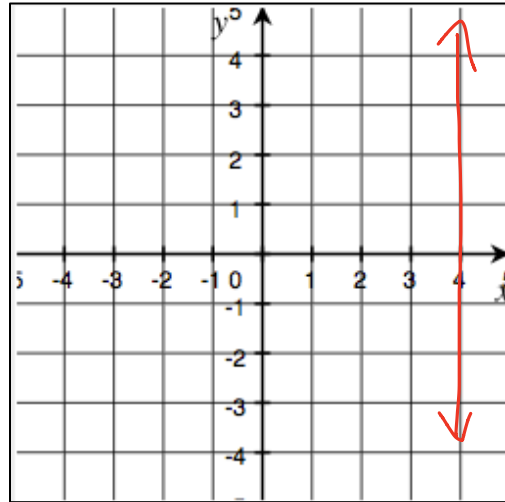
Date: _____

GUIDED PRACTICE:

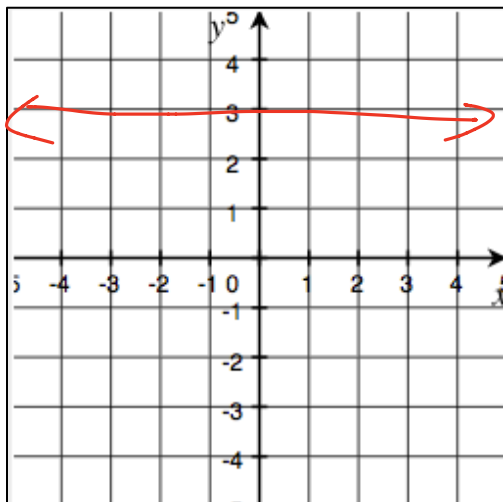
Graph the equation $x = -1$



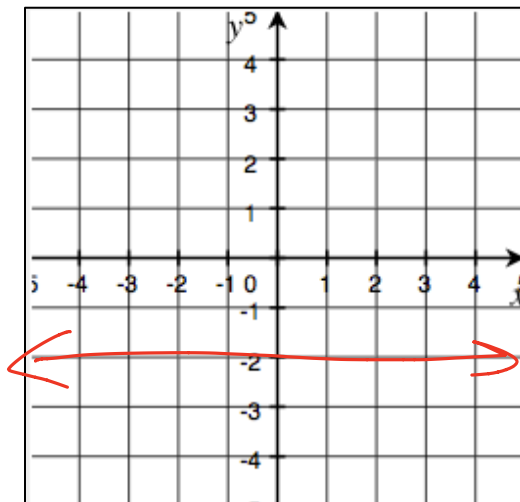
Graph the equation $x = 4$



Graph the equation $y = 3$



Graph the equation $y = -2$



NAME: _____

Math _____, Period _____

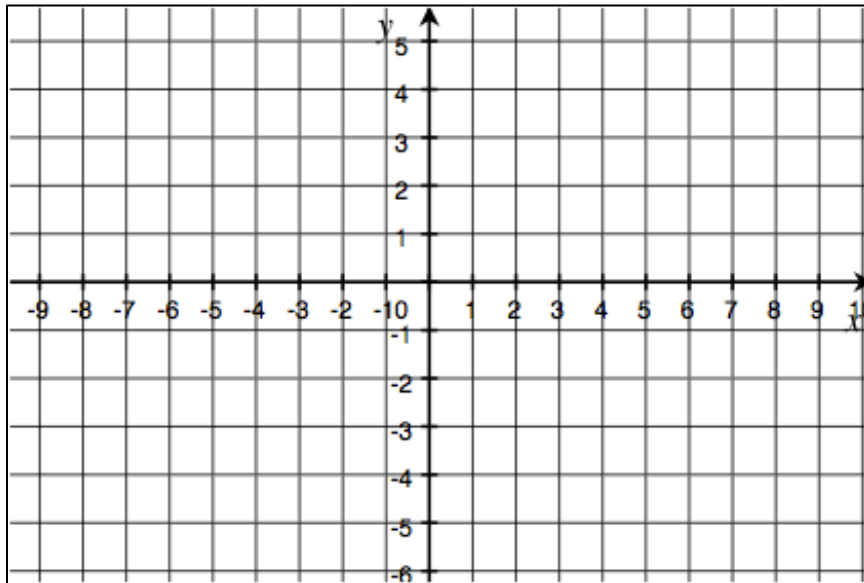
Mr. Rogove

Date: _____

INDEPENDENT PRACTICE:

ACTIVATING PRIOR KNOWLEDGE:

Find 4 solutions to $1x + 2y = 5$.



CLOSURE:

What will the graphs of $y = 0$ and $x = 0$ look like?

TEACHER NOTES:

This is Lesson 14.