3 Possible Ways

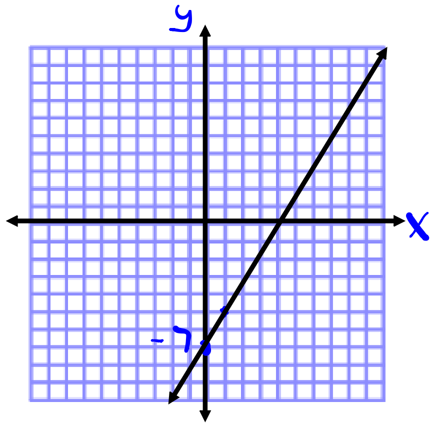
Graph the following equation.

y = 2x - 7

(II: 2 = slope, -7 = y-int)

I

x	y
-2	-11
-1	-9
0	-7
1	-5
2	-3



III

y int let x=0
$y=2(0)-7$
$y=-7$
$(0,-7)$

x int let y=0
$0=2x-7$
$7=2x$
$x=\frac{7}{2}$

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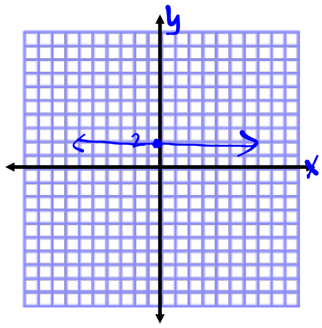
15. a) How can you use the slope-intercept form of an equation, y=mx+b, to graph the horizontal line **y=2**.

$y=mx+b$

$y=0x+2$

slope = 0



b) How can you graph the vertical line **x=2**?