

x	y
-4	0
-4	2
-4	4

Equation

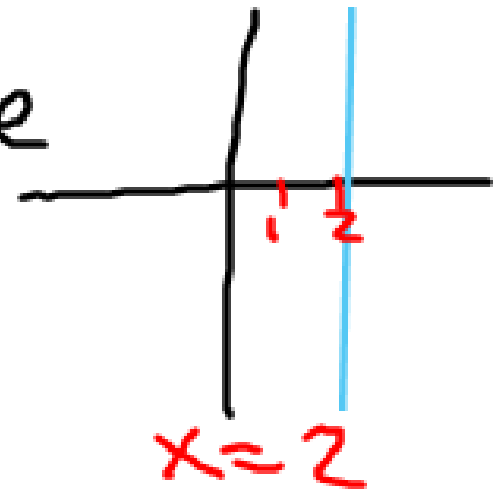
$x = -4$

x	y
0	-2
2	-2
4	-2

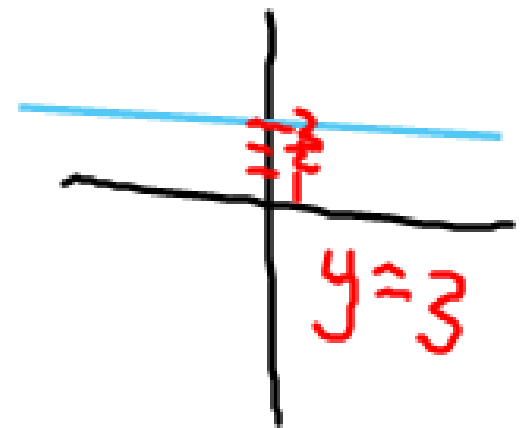
Equation

$y = -2$

Straight up and down graphs the
equation is always $x = \#$



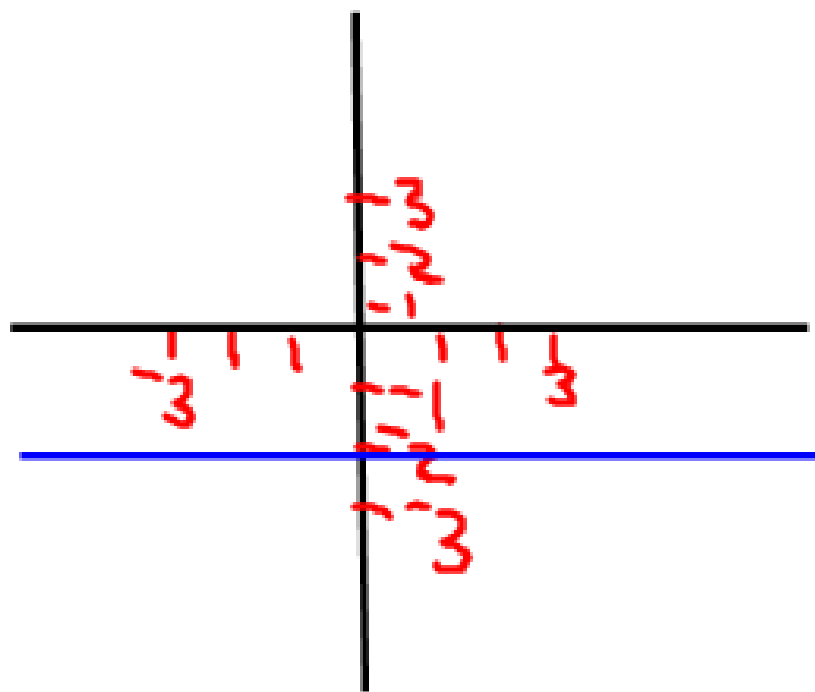
Flat across graphs the equation is
always $y = \#$



$$\text{b) } y + 2 = 0$$

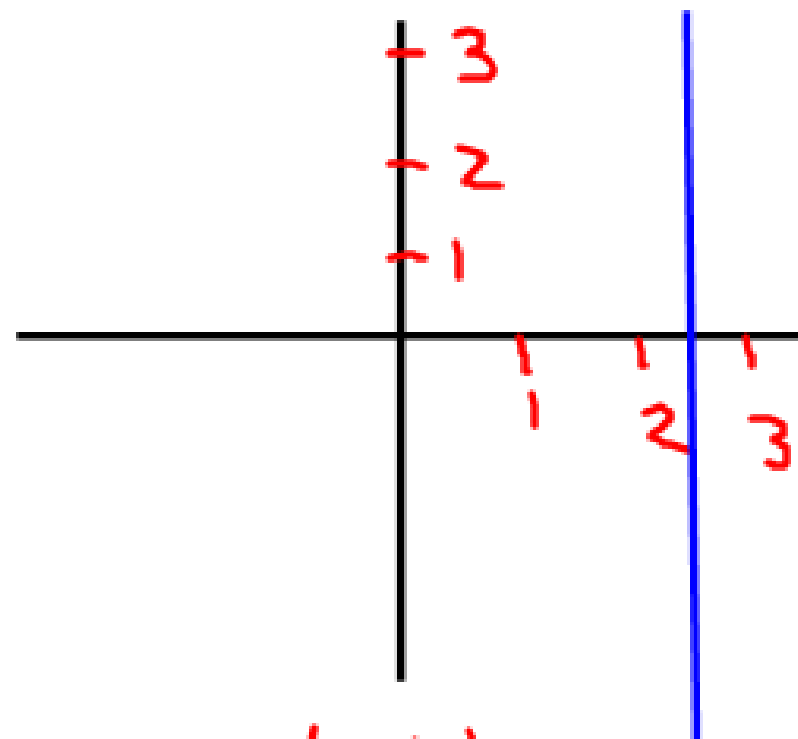
$$-2 \quad -2$$

$$y = -2$$



$$\text{c) } 2x = 5$$

$$x = 2.5$$



If an equation has only one letter
you can rearrange it to be a $y =$ or $x =$
equation to graph

For the equation $3x - 2y = 6$:

- a) Make a table of values.
- b) Graph the equation.

2 letters: make a table of values

x	y
-3	-7.5
-2	-6
-1	-4.5
0	-3
1	-1.5
2	0
3	1.5

make up the x values
and solve for y.

ex. $3x - 2y = 6$

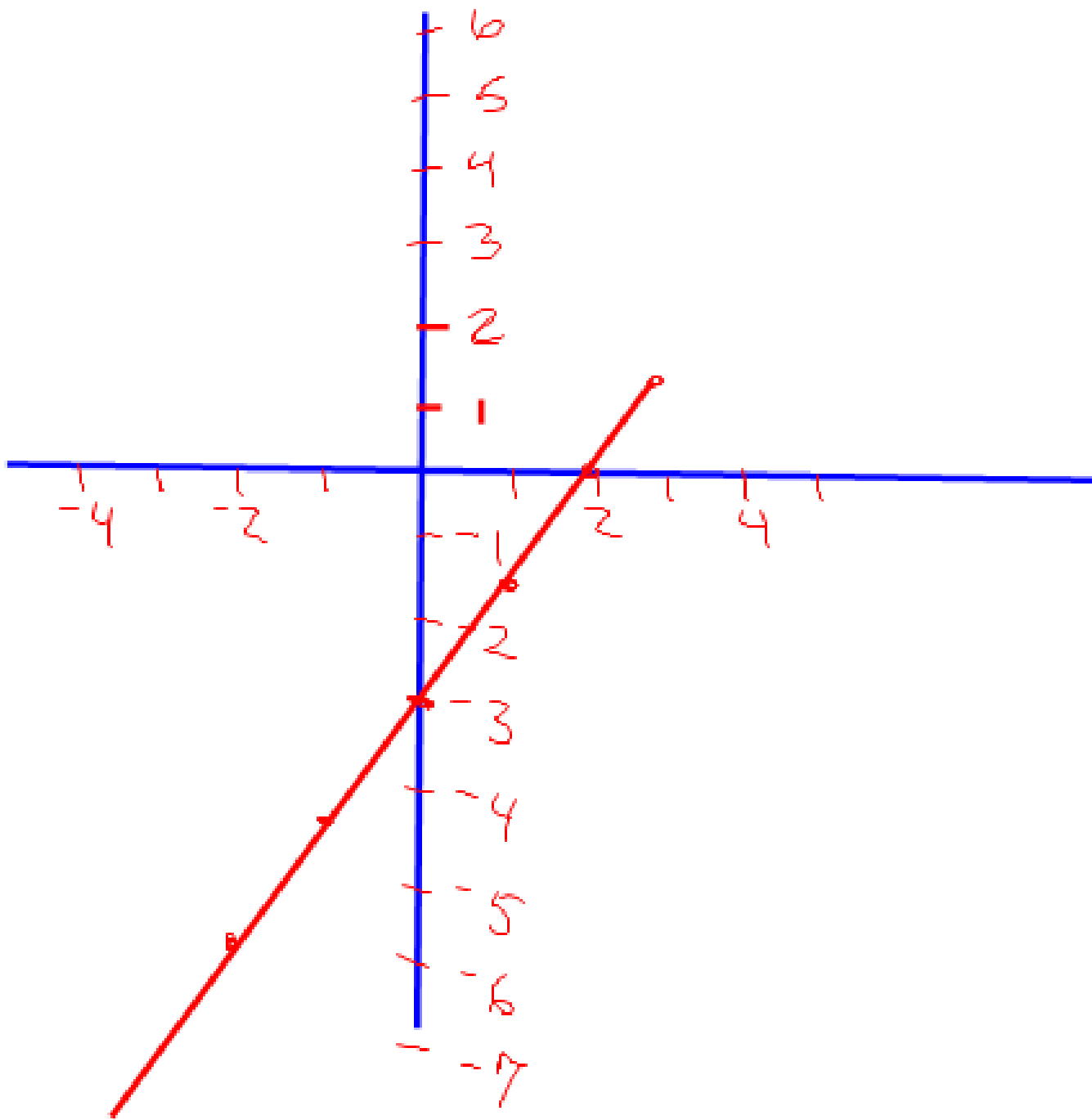
$$3(-3) - 2y = 6$$

$$\begin{array}{r} -9 - 2y = 6 \\ +9 \quad \quad +9 \end{array}$$

$$-2y = 15$$

$$\begin{array}{r} -2 \\ -2 \end{array}$$

$$y = -7.5$$



practice pg 178 #4, 6-8, 11, 15