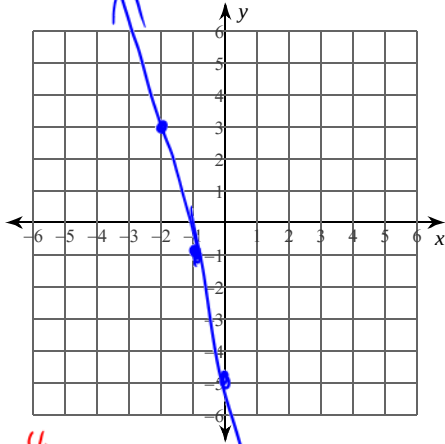


Graphing Lines

Rearrange the equation to get y by itself (isolate y). Then create a table of values to graph the line.

1) $4x + y = -5$

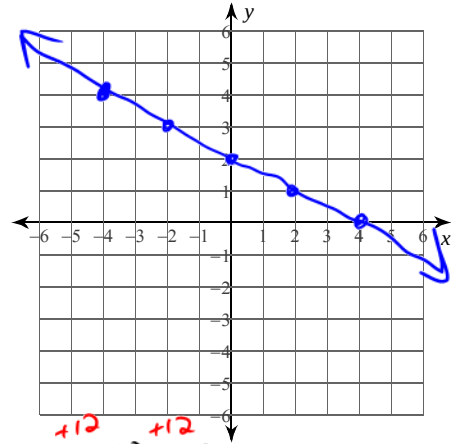


$$4x + y = -5$$

$$y = -4x - 5$$

x	y
-2	3
-1	-1
0	-5
1	-9
2	-13

2) $-3x = -12 + 6y$



$$-3x = -12 + 6y$$

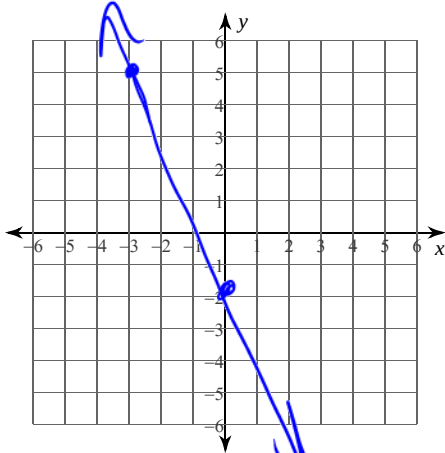
$$-3x + 12 = 6y$$

$$-x + 4 = 2y$$

multiply with $-2, -1$
@ 1, 2

x	y
-4	4
-2	3
0	2
2	1
4	0

$$3) -3y - 7x - 6 = 0$$



$$-3y - 7x - 6 = 0$$

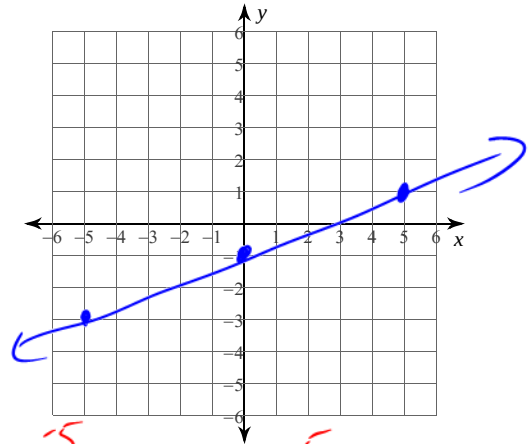
$$-3y = 7x + 6$$

$$y = -\frac{7}{3}x - 2$$

multiply with
-2, -1, 0, 1, 2

x	y
-6	12
-3	5
0	-2
3	-9
6	-16

$$4) 5 + 5y = 2x$$



$$5 + 5y = 2x$$

$$5y = 2x - 5$$

$$y = \frac{2}{5}x - 1$$

x	y
-10	-5
-5	-3
0	-1
5	1
10	3