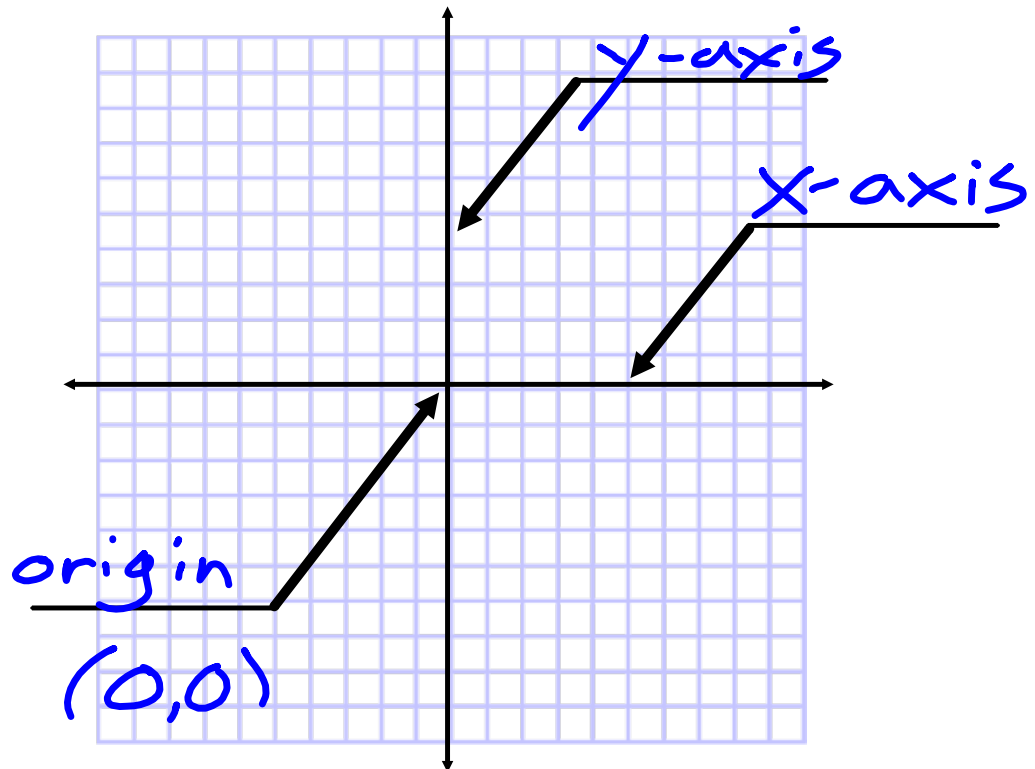
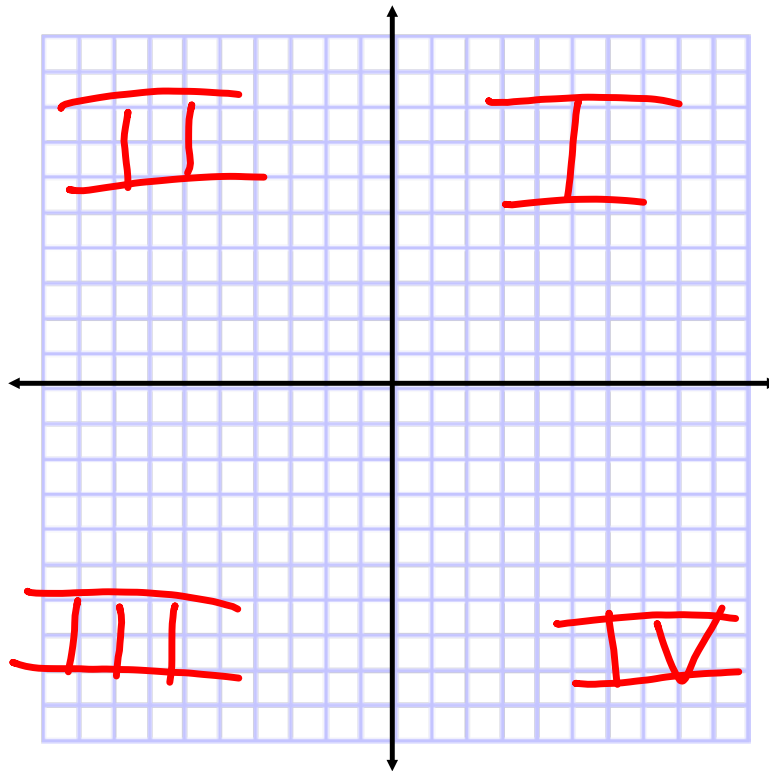
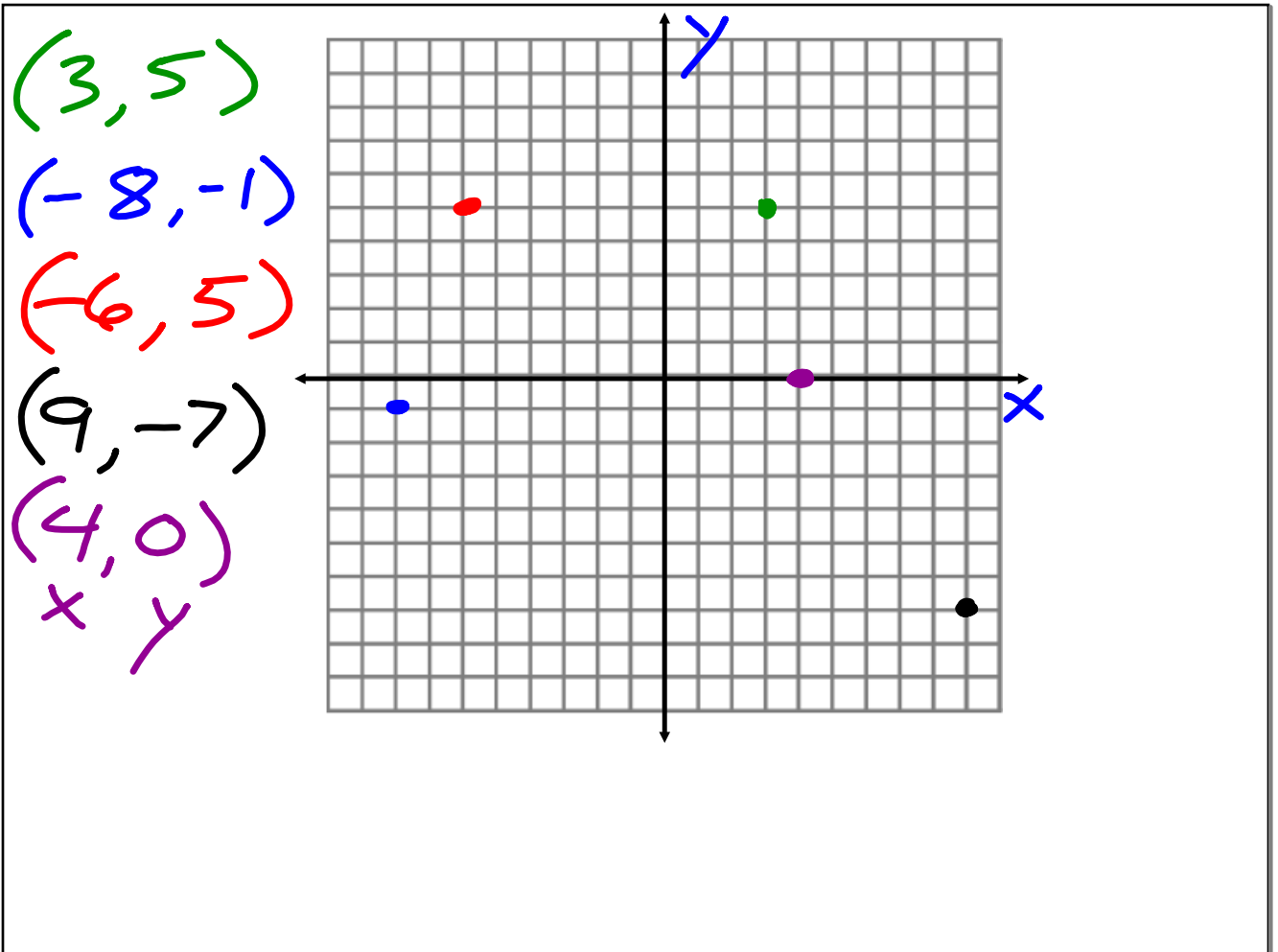


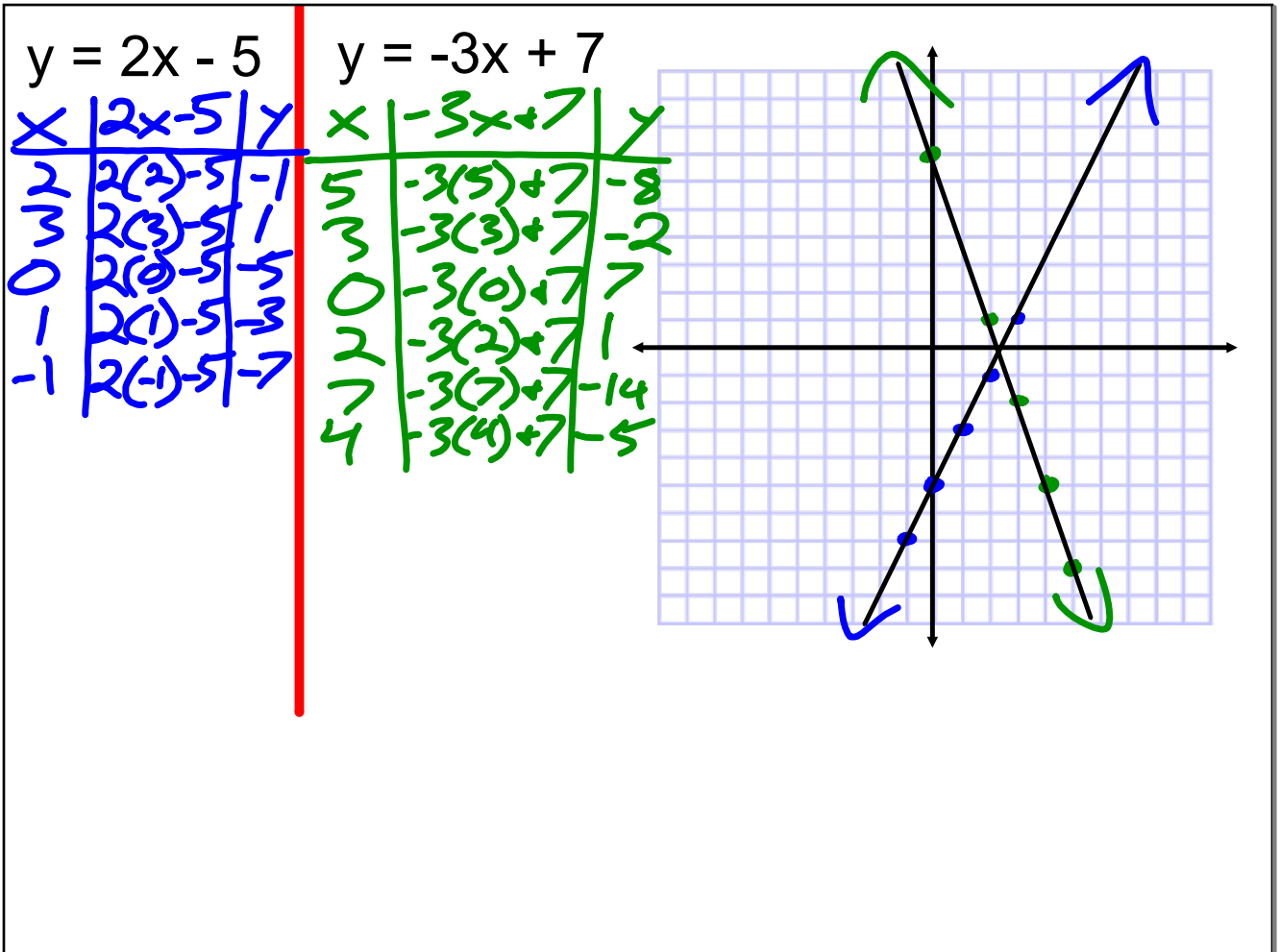
Coordinate Plane



Quadrants





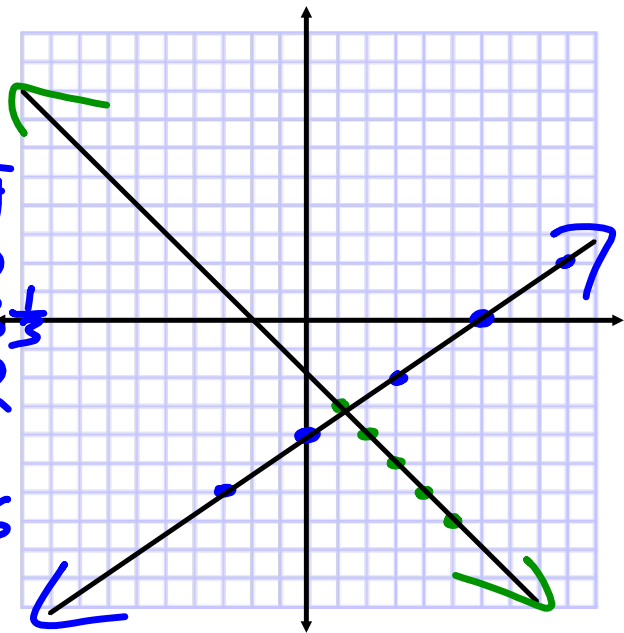


$$y = -x - 2$$

x	-x-2	y
1	-1(1)-2	-3
2	-1(2)-2	-4
3	-1(3)-2	-5
4	-1(4)-2	-6
5	-1(5)-2	-7

$$y = \frac{2}{3}x - 4$$

x	$\frac{2}{3}x - 4$	y
0	$\frac{2}{3}(0) - 4$	-4
6	$\frac{2}{3}(6) - 4$	0
3	$\frac{2}{3}(3) - 4$	-2
9	$\frac{2}{3}(9) - 4$	2
-3	$\frac{2}{3}(-3) - 4$	-6



Graph the following functions. (Hint: Think of all the points where the statement is true)

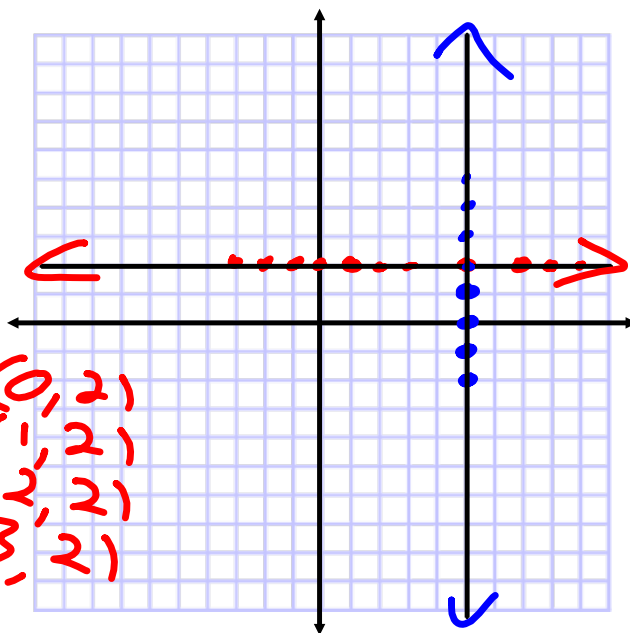
1) $y = 2$

$(x, 2)$

2) $x = 5$

$(5, 0)$
 $(5, 1)$
 $(5, 2)$

$(0, 2)$
 $(-1, 2)$
 $(2, 2)$
 $(3, 2)$



Graph.

$$1) y = -2x + 1$$

$$2) y = x$$

$$3) y = 4x$$

$$4) y = -x - 3$$

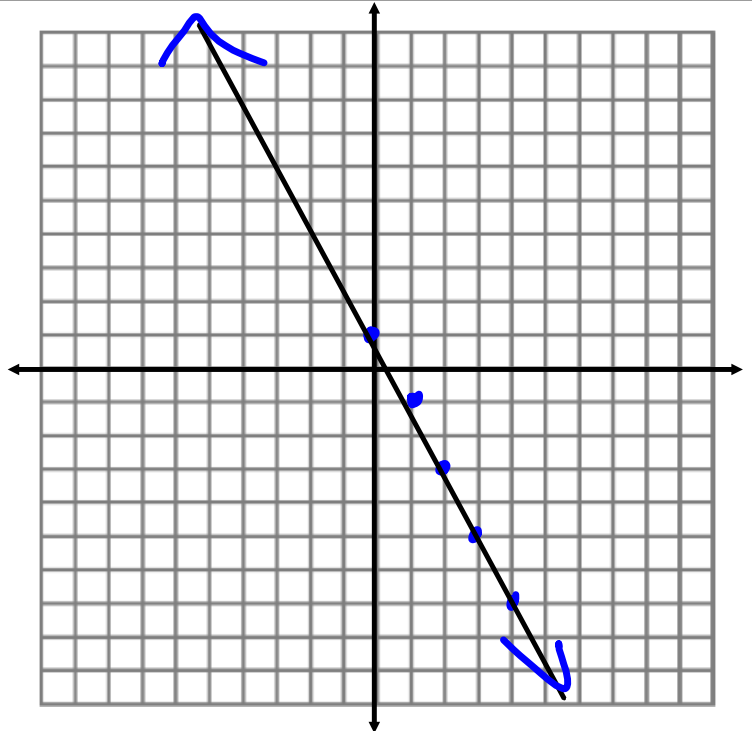
$$5) -\frac{2}{3}x + 5 = y$$

$$6) x = -3$$

$$7) y = 9$$

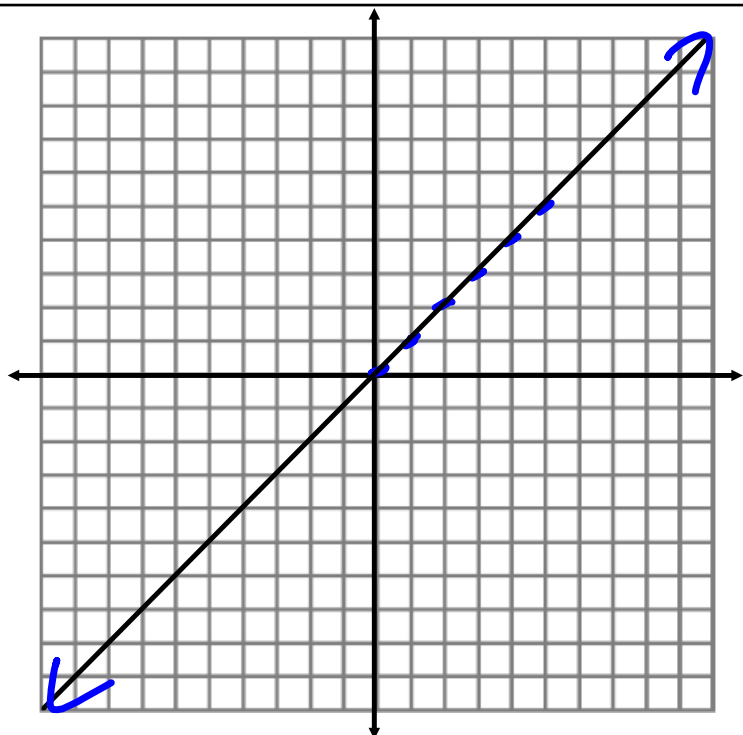
$$1) y = -2x + 1$$

x	-2x + 1	y
0	-2(0) + 1	1
1	-2(1) + 1	-1
2	-2(2) + 1	-3
3	-2(3) + 1	-5
4	-2(4) + 1	-7



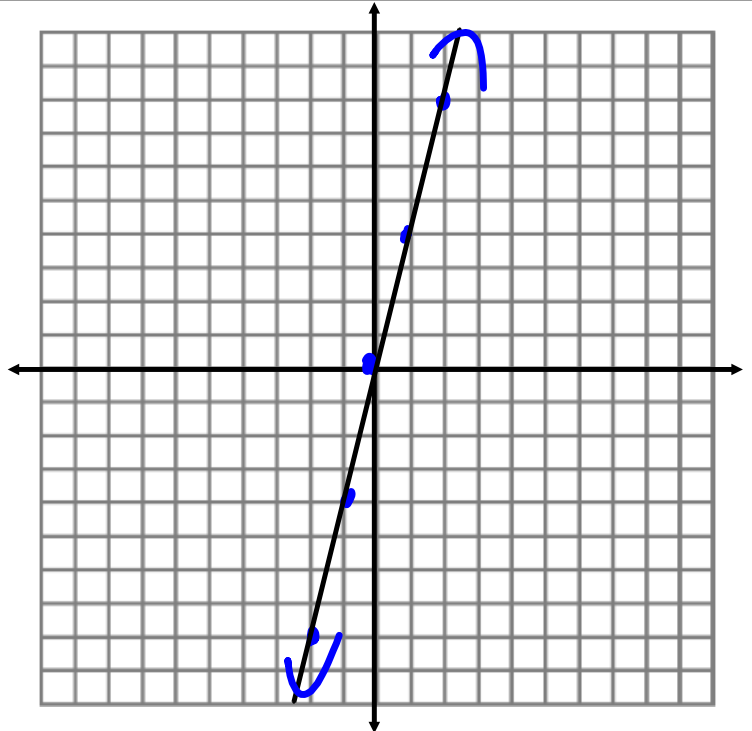
2) $y = x$

x	y
1	1
2	2
3	3



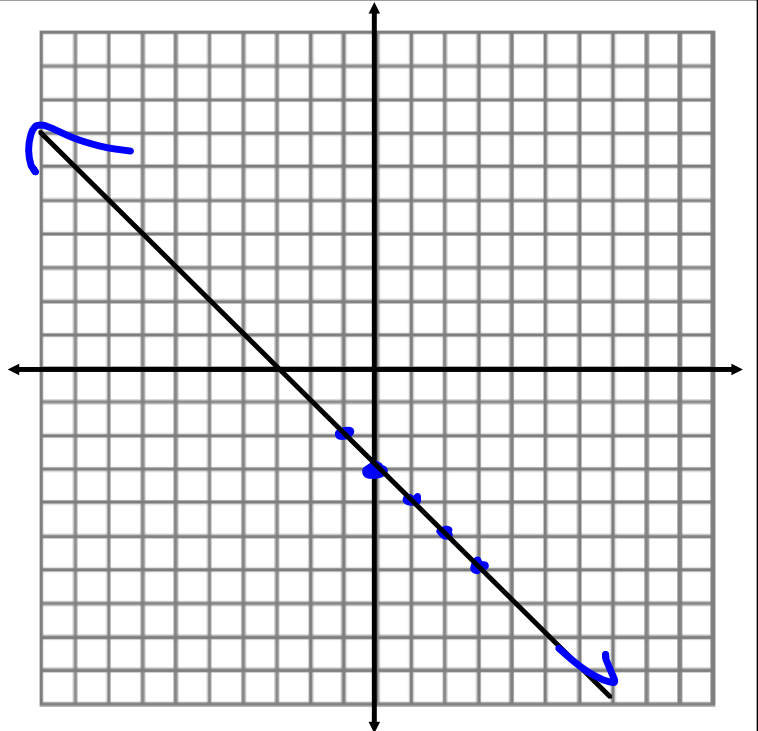
3) $y = 4x$

x	y
0	0
1	4
2	8
3	12
4	16
5	20
6	24
7	28
8	32
9	36
10	40

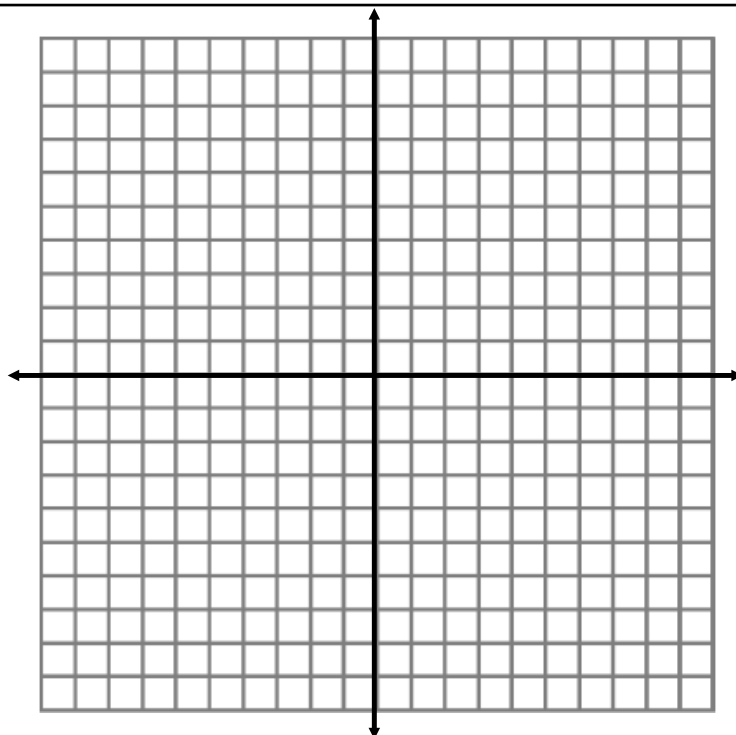


$$4) y = -x - 3$$

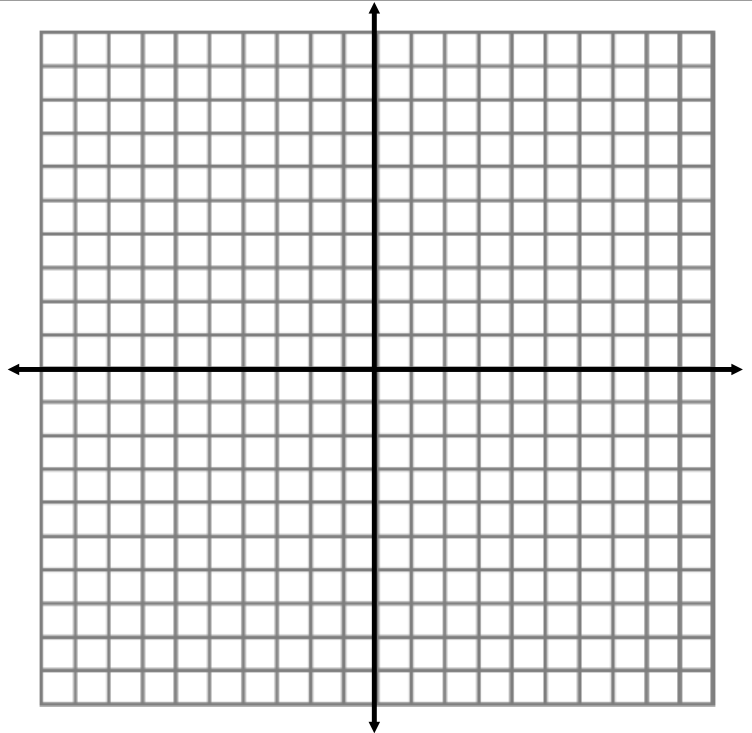
x	-x-3	y
0	-1(0)-3	-3
1	-1(1)-3	-4
2	-1(2)-3	-5
3	-1(3)-3	-6
-1	-1(-1)-3	-2



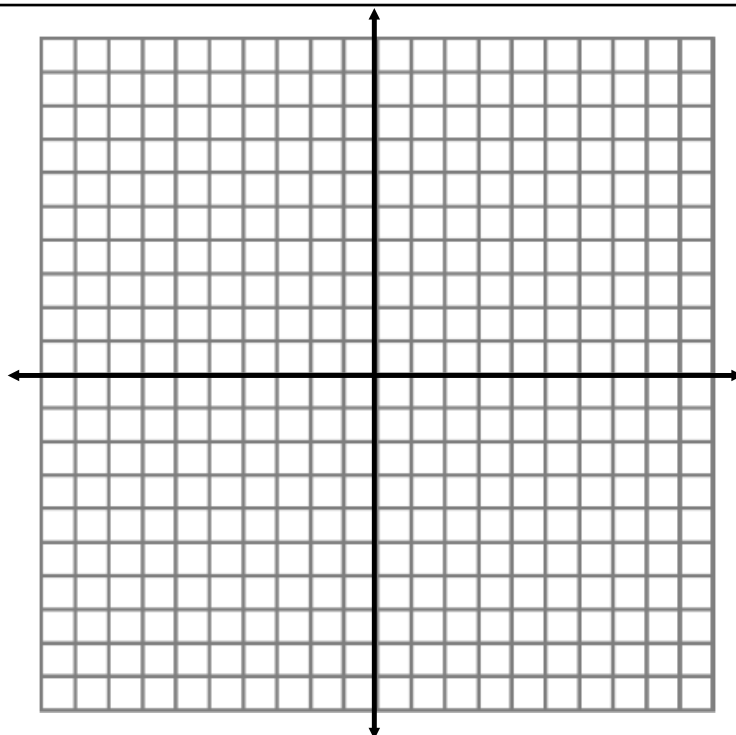
$$5) -\frac{2}{3}x + 5 = y$$



6) $x = -3$



7) $y = 9$



January 3, 2022

