

Graphing Lines from Function Tables

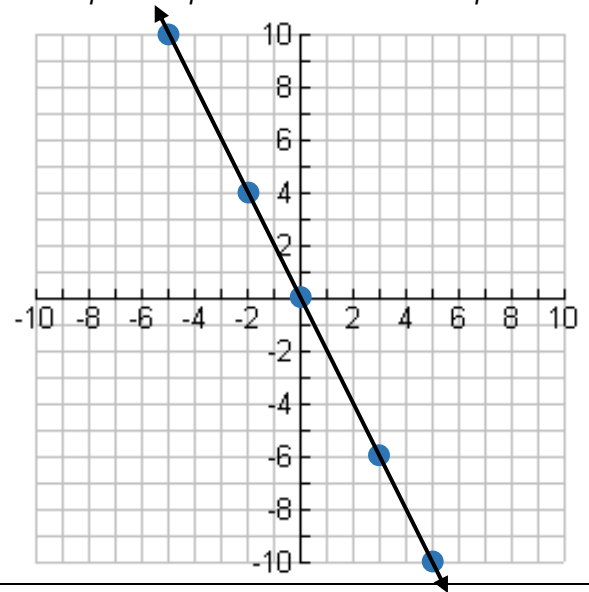
Name _____

- Objectives: A) Complete a Function Table
 B) Plot the points generated from a Function Table

EXAMPLE) Complete the Function Table

x	$y = -2x$	y	(x, y)
5	$y = -2(5)$	-10	(5, -10)
3	$y = -2(3)$	-6	(3, -6)
0	$y = -2(0)$	0	(0, 0)
-2	$y = -2(-2)$	4	(-2, 4)
-5	$y = -2(-5)$	10	(-5, 10)

Graph each point on the coordinate plane.



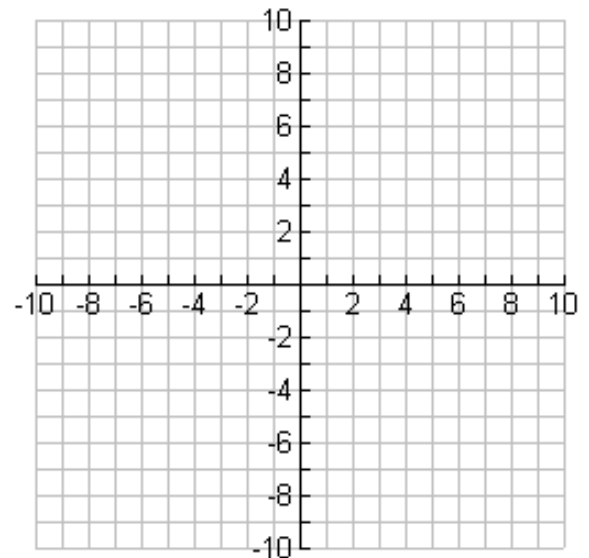
Do the points form a line? Should they?

Does the line appear to be increasing, decreasing or neither?

YOU TRY) Complete the Function Table

x	$y = -\frac{1}{3}x$	y	(x, y)
12	$y = -\frac{1}{3}(\quad)$		(\quad , \quad)
3	$y = -\frac{1}{3}(\quad)$		(\quad , \quad)
0	$y = -\frac{1}{3}(\quad)$		(\quad , \quad)
-6	$y = -\frac{1}{3}(\quad)$		(\quad , \quad)
-9	$y = -\frac{1}{3}(\quad)$		(\quad , \quad)

Graph each point on the coordinate plane.



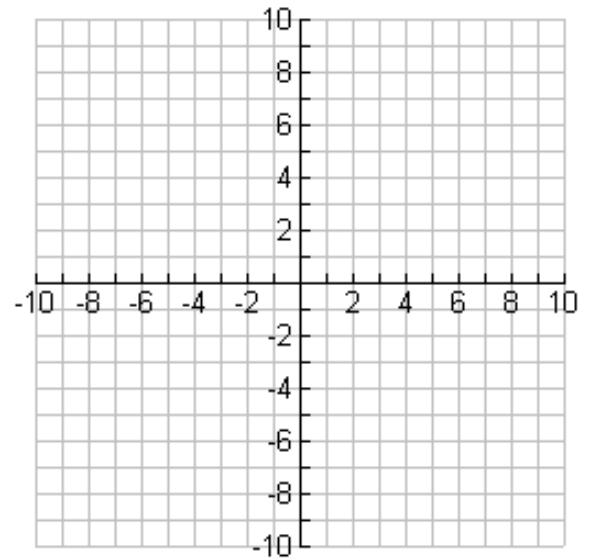
Do the points form a line? Should they?

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1) Complete the Function Table

x	$y = x + 1$	y	(x, y)
5			(,)
3			(,)
0			(,)
- 3			(,)
- 5			(,)

Graph each point on the coordinate plane.



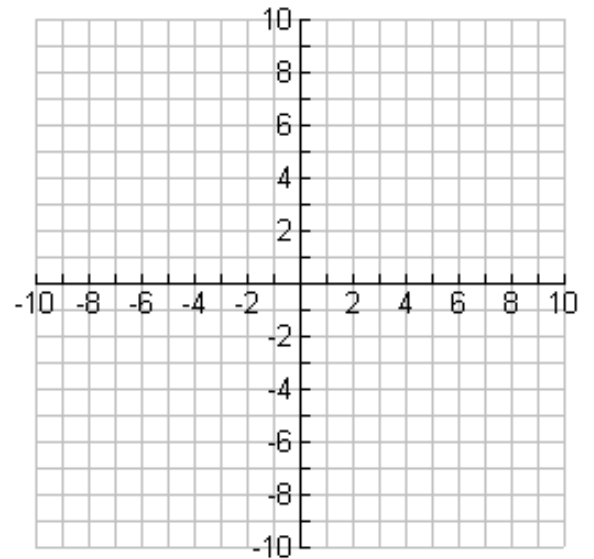
Do the points form a line? Should they?

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2) Complete the Function Table

x	$y = -x - 3$	y	(x, y)
7			(,)
4			(,)
0			(,)
- 2			(,)
- 5			(,)

Graph each point on the coordinate plane.



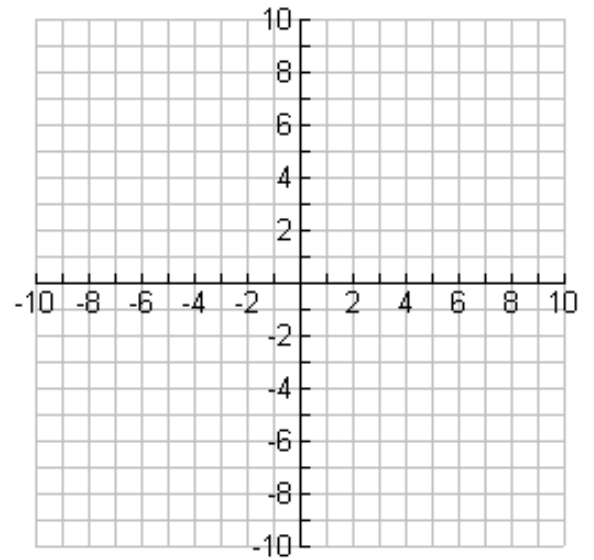
Do the points form a line? Should they?

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3) Complete the Function Table

x	$y = -2x + 7$	y	(x, y)
6			(,)
3			(,)
0			(,)
- 1			(,)
- 2			(,)

Graph each point on the coordinate plane.



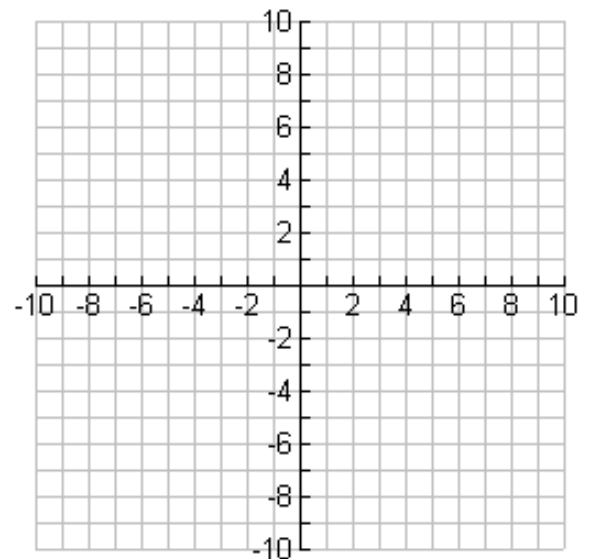
Do the points form a line? Should they?

Does the line appear to be increasing, decreasing or neither?

4) Complete the Function Table

x	$y = -\frac{1}{3}x + 2$	y	(x, y)
9			(,)
3			(,)
0			(,)
- 3			(,)
- 6			(,)

Graph each point on the coordinate plane.



Do the points form a line? Should they?

Does the line appear to be increasing, decreasing or neither?