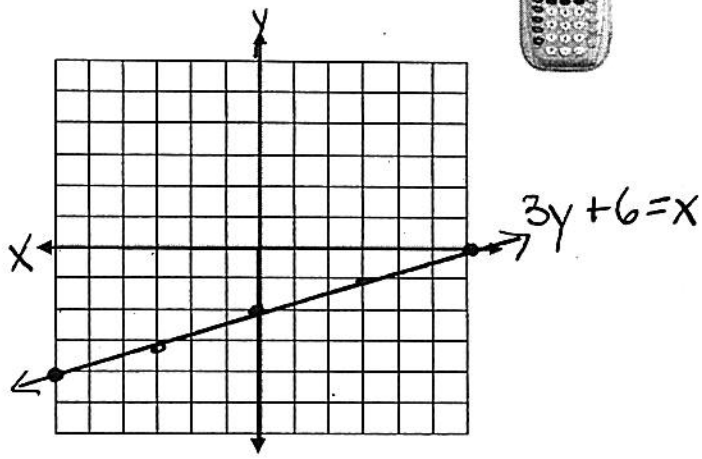
How can the graphing calculator help us graph a linear function?

3) Graph the solutions to $3y + 6 = x$

x	y
-6	-4
-3	-3
0	-2
3	-1
6	0

$$3y + 6 = x$$
$$\frac{\cancel{3}y}{\cancel{3}} = \frac{1x}{3} - \frac{6}{3}$$
$$y = \frac{1}{3}x - 2$$

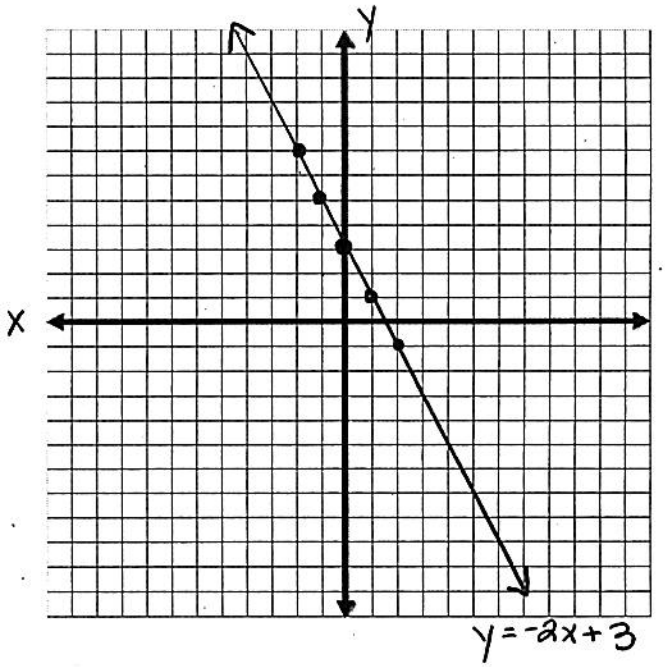


Algebra RH **HW #**

Set up a table of values and draw the graph of each function.

1) $y = -2x + 3$

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



Domain: $(-\infty, \infty)$

Range: $(-\infty, \infty)$

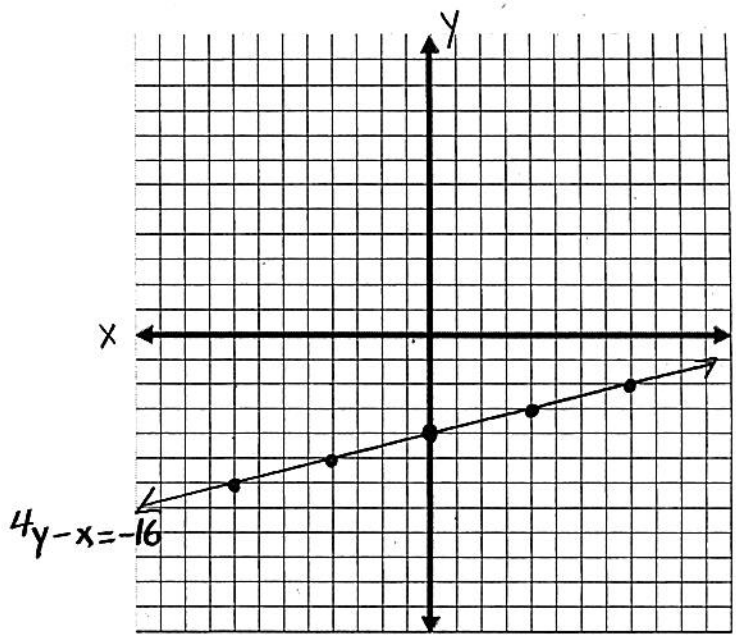
2) $4y - x = -16$

$+x \quad +x$

$\frac{4}{4}y = \frac{x}{4} - \frac{16}{4}$

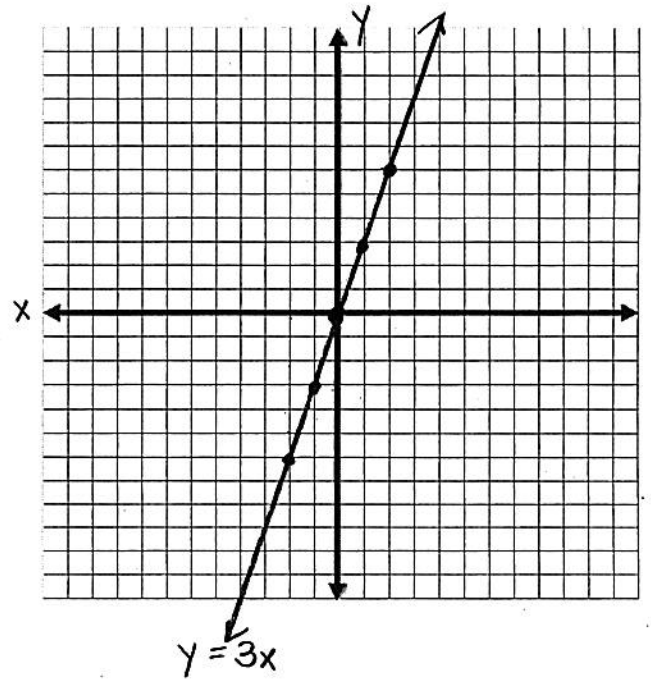
$y = \frac{1}{4}x - 4$

x	y
-8	-6
-4	-5
0	-4
4	-3
8	-2



3) $y = 3x$

x	y
-2	-6
-1	-3
0	0
1	3
2	6



Determine if the point (-25.25, -75.75) is part of the graph of the function $y = 3x$. Justify your response.

$y = 3x$

$-75.75 = 3(-25.25)$

$-75.75 = -75.75$ ✓

yes, the point is part of the function $y = 3x$ because it makes the equation true.