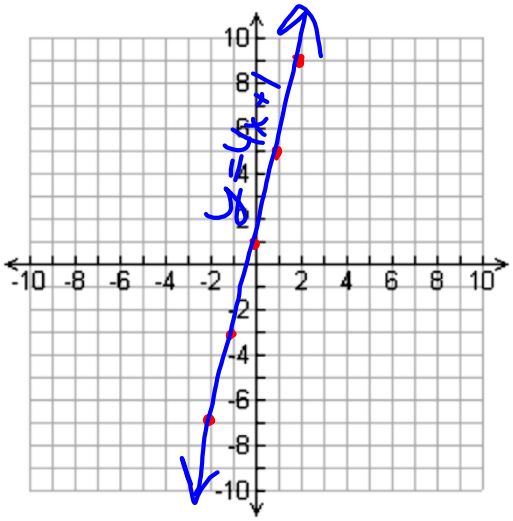
Do Now

$y = mx + b$

3) $y = 4x + 1$

x	$y = 4x + 1$	y
-2	$y = 4(-2) + 1$	-7
-1	$y = 4(-1) + 1$	-3
0	$y = 4(0) + 1$	1
1	$y = 4(1) + 1$	5
2	$y = 4(2) + 1$	9



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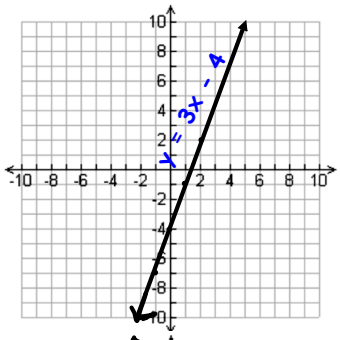
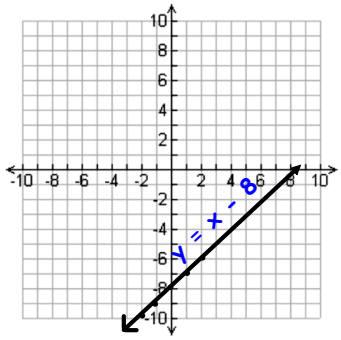
Homework Answers

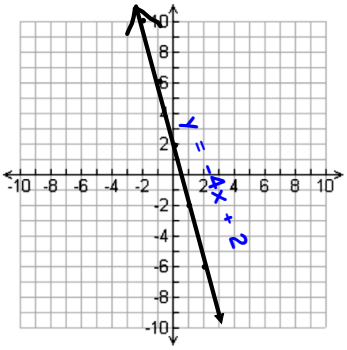
1)



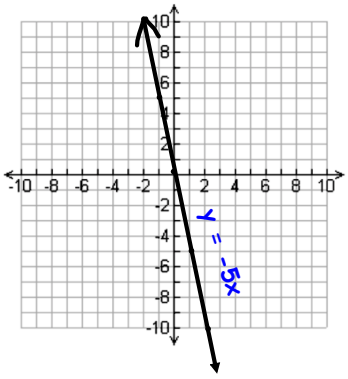
3)



2)



4)



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Recall:

$y = mx + b$ (m: whole number)

- When picking x-values for the table, we chose -2, -1, 0, 1, 2 when the "m" value was a whole number
- But when the "m" value is a fraction, which numbers should we chose if we don't want fraction coordinates?

****We chose x-values that are multiples of the denominator****

ex) $\frac{3}{4}$: good values to pick would be 8, 12, -4, 4, -8, 0

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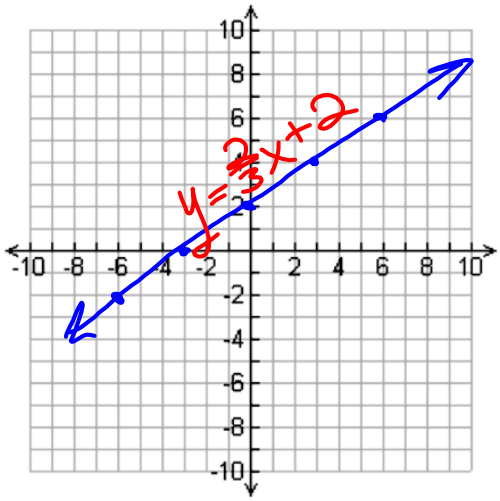
1) $y = \frac{2}{3}x + 2$

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



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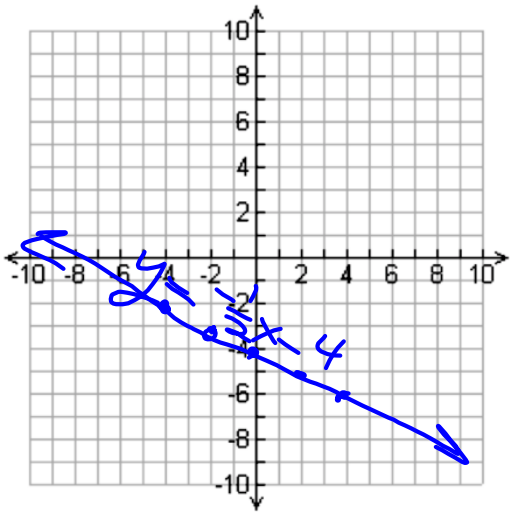
2) $y = \frac{-1}{2}x - 4$

x	$y = \frac{-1}{2}x - 4$	y
-4	$y = \frac{-1}{2}(-4) - 4$	-2
-2	$y = \frac{-1}{2}(-2) - 4$	-3
0	$y = \frac{-1}{2}(0) - 4$	-4
2	$y = \frac{-1}{2}(2) - 4$	-5
4	$y = \frac{-1}{2}(4) - 4$	-6



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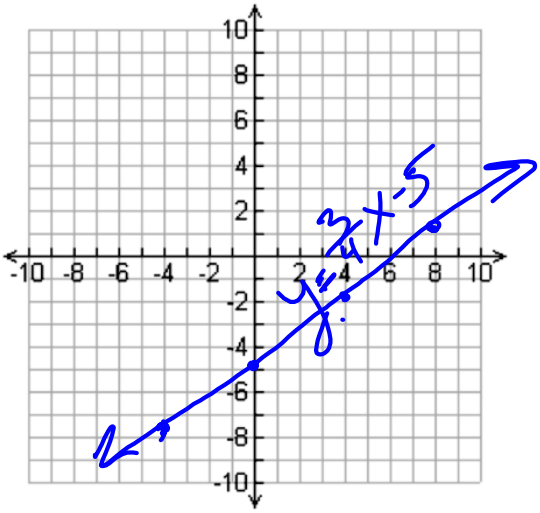
3) $y = \frac{3}{4}x - 5$

x	$y = \frac{3}{4}x - 5$	y
-8	$y = \frac{3}{4}(-8) - 5$	-11
-4	$y = \frac{3}{4}(-4) - 5$	-8
0	$y = \frac{3}{4}(0) - 5$	-5
4	$y = \frac{3}{4}(4) - 5$	-2
8	$y = \frac{3}{4}(8) - 5$	1



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