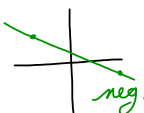


October 18, 2017

#1) $(-5, 4)$ & $(8, -2)$

$$m = \frac{(-2) - (4)}{(8) - (-5)} = \frac{-6}{13} = -\frac{6}{13}$$


#2) $2x - 3y = 18$

$$\frac{-3y}{-3} = \frac{-2x + 18}{-3}$$

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

$$m = \frac{2}{3}$$

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#3) $(-5, 6); m = -\frac{3}{5}$

$$6 = -\frac{3}{5}(-5) + b$$

$$6 = 3 + b \Rightarrow (y = -\frac{3}{5}x + 3)$$

$$3 = b$$

$$5y = -3x + 15$$

$$3x + 5y = 15$$

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#4) $y = -\frac{7}{4}x + \frac{2}{3}$ LCD: 12

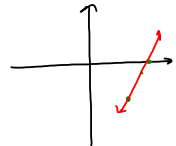
$$12y = -21x + 8$$

$$21x + 12y = 8$$

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Functions

Input	"f"	Output
2	$\frac{2}{3}x - 6$	$-\frac{14}{3}$
3	$(3, -4)$	-4
6	$(6, -2)$	-2
9	$(9, 0)$	0



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$$\frac{2}{3}x - 6 \leftarrow \text{rule}$$

- $f | x \rightarrow \frac{2}{3}x - 6$
- $y = \frac{2}{3}x - 6$ Slope-Intercept
- $f(x) = \frac{2}{3}x - 6$ Function Notation
f of x

* $f(3) = \frac{2}{3}(3) - 6$

Input = -4

Output

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Do 5.1 assignment

Oct 18-9:50 AM