



Warm Up

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Make a table of values, and then graph. Show all work

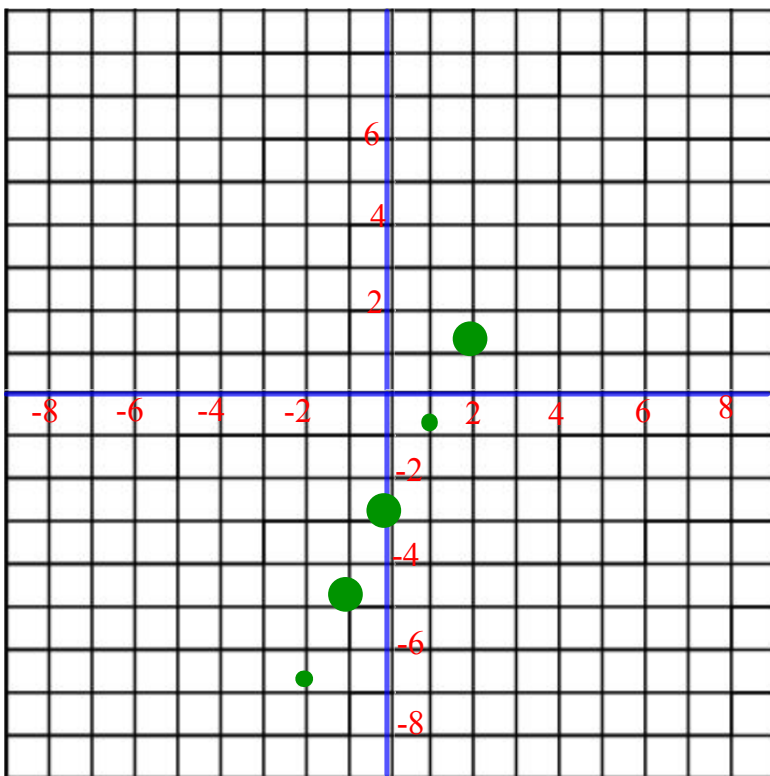
$$6x - 3y = 9$$

$$-3y = -6x + 9$$

$$\frac{-3y}{-3} = \frac{-6x}{-3} + \frac{9}{-3}$$

$$y = 2x - 3$$

$$y = \frac{\Delta y}{\Delta x} x + b$$



$\Delta x = 1$ x	$\Delta y = 2$ y
-2	-7
-1	-5
0	-3
1	-1
2	1

$$x=0$$

$$y = 2(0) - 3$$

$$y = 0 - 3$$

$$y = -3$$

$$x=1$$

$$y = 2(1) - 3$$

$$y = 2 - 3$$

$$y = -1$$

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

$$2x + 3y = -18$$

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

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

$$\frac{2}{5}x + \frac{1}{3}y = -2$$

$$6x + 5y = -30$$

$$5y = -\frac{6x}{5} - \frac{30}{5}$$

$$y = -\frac{6}{5}x - 6$$



$\Delta x = 5$ x	$\Delta y = -6$ y
<u>-5</u>	<u>0</u>
<u>0</u>	<u>-6</u>
<u>5</u>	<u>-12</u>

$$x = 0$$

$$x = 5$$

$$y = \frac{-6}{5}(0) - 6$$

$$y = 0 - 6$$

$$y = -6$$

$$y = \frac{-6}{5}(5) - 6$$

$$y = -6 - 6$$

$$y = -12$$



Class/Homework



Worksheet



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4,5,6,7,8,9,10ai (Wed)

11 , #15ad, # 17, # 21abcf (Thur)

Attachments

Section 4.3 Worksheet.pdf