

Write equations that represents the following:

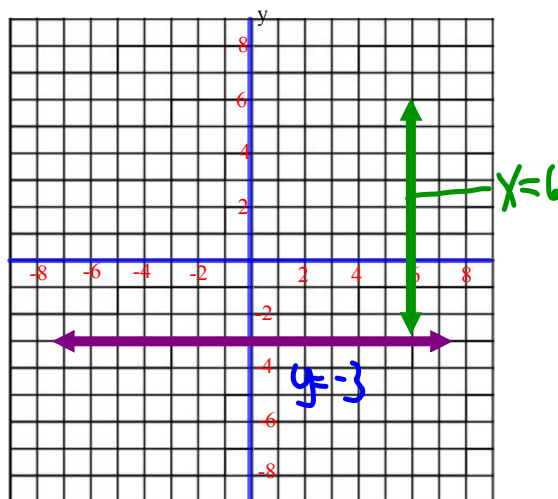
1) "The difference of two numbers is 15"

$$x - y = 15$$

2) " Three times a number is 5 times another number"

$$3x = 5y$$

Write the following equation for each line and determine which is horizontal or vertical.



Problems with the homework....

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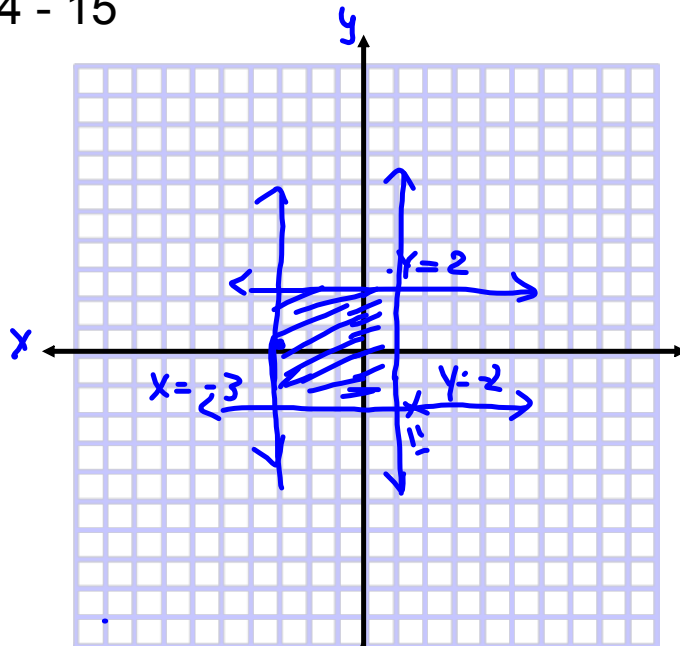
13.

$$x-1=0$$

$$x=1$$

$$y+2=0$$

$$y=-2$$



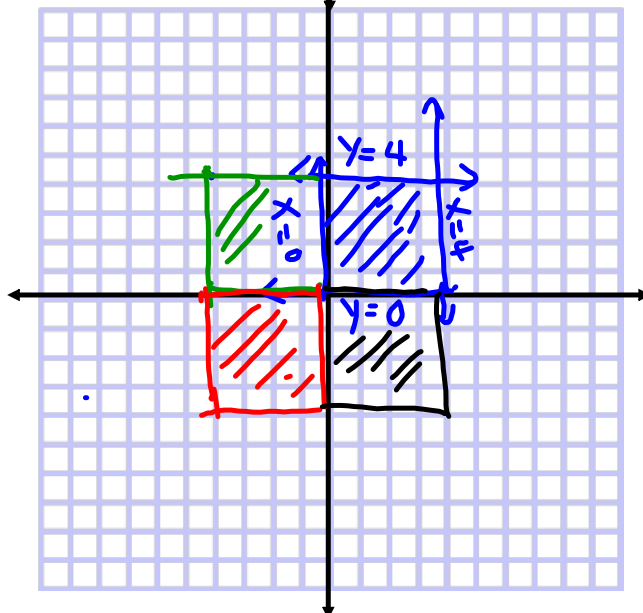
Part B

$$y=4$$

$$y=0$$

$$x=0$$

$$x=4$$



Homework Questions???

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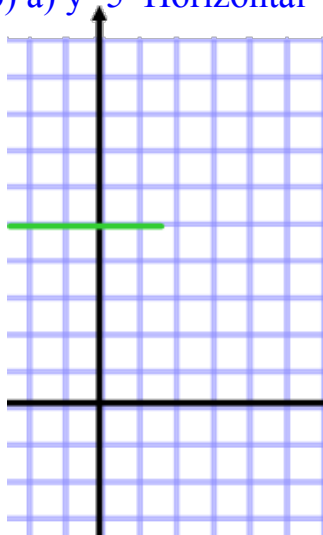


4) a) i) $x = -2$ 4b) iii) $y = -2$

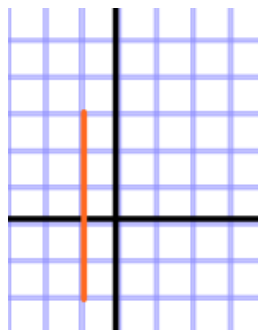
5) a) $y = 7$ Horizontal 5b) $x - y = 3$ Oblique 5c) $x = -5$ Vertical

5d) $x + 9 = 0$ Vertical 5e) $2y = 5$ Horizontal 5f) $y = 6 - 2x$ Oblique

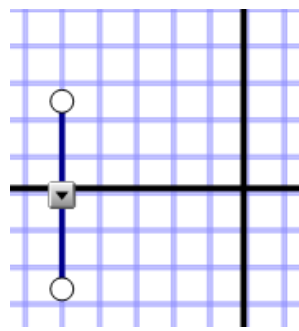
6) a) $y = 5$ Horizontal



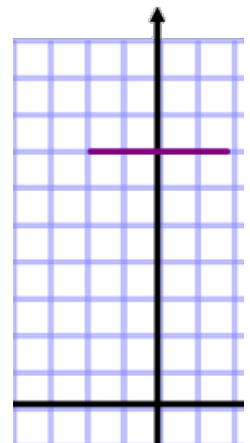
b) $x = -1$ Vertical



c) $x = -5$ Vertical



d) $y = 7$ Horizontal



7a) $y = 2$

b) $x = 1$

c) $x = -5$

8a) $x - 2 = 0$
 $x = -2$

b) $2x + 1 = 0$
 $2x = -1$
 $x = (-1/2)$
 $x = -0.5$

c) $2y - 1 = 0$
 $2y = 1$
 $y = (1/2)$
 $y = 0.5$

d) $2x - 1 = 0$
 $2x = 1$
 $x = (1/2)$
 $x = 0.5$



Worksheet



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#4 - #15, # 17, # 21

	x	y
	1	5
+1 ↘	2	12 ↘ +7
+1 ↘	3	19 ↘ +7
+1 ↘	4	26 ↘ +7
+1 ↘	5	33 ↘ +7

Yes

as x increases by 1, y
increase by 7

	x	y
	1	1
+2 ↘	3	3 ↘ +2
+2 ↘	5	7 ↘ +4
+2 ↘	7	13 ↘ +6
+2 ↘	9	21 ↘ +8

No

	x	y
	4	11
-2 ↘	2	14 ↘ +3
-2 ↘	0	17 ↘ +3
-2 ↘	-2	20 ↘ +3
-2 ↘	-4	23 ↘ +3

YES

As x decreases by 2
y increases by 3

	x	y
	-2	-12
+1 ↘	-1	-5 ↘ +7
+1 ↘	0	0 ↘ +5
+1 ↘	1	3 ↘ +3
+1 ↘	2	4 ↘ +1

No

Attachments

Section 4.3 Worksheet.pdf