

Week 32 Homework: April 27-30, 2015

1. Solve for a. You must show work!

$$14a + 25 = -10a + 169$$

2. Solve for b. You must show work!

$$-10b + 4 - 6b \leq 132$$

3. Solve and fill in the griddable.

$$-4x + 5 = 63.8$$

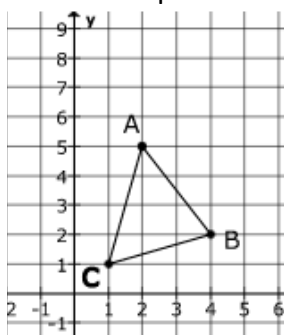
+	-	-	-	-	-	-	-	-	-
-	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1
	2	2	2	2	2	2	2	2	2
	3	3	3	3	3	3	3	3	3
	4	4	4	4	4	4	4	4	4
	5	5	5	5	5	5	5	5	5
	6	6	6	6	6	6	6	6	6
	7	7	7	7	7	7	7	7	7
	8	8	8	8	8	8	8	8	8
	9	9	9	9	9	9	9	9	9

4. Solve and fill in to the griddable.

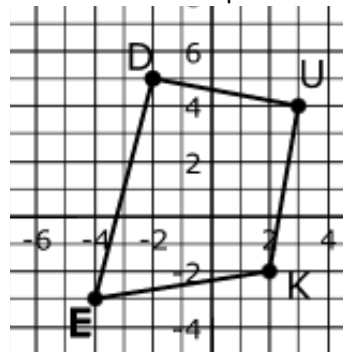
$$8x + 5 = -101$$

+	-	-	-	-	-	-	-	-	-
-	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1
	2	2	2	2	2	2	2	2	2
	3	3	3	3	3	3	3	3	3
	4	4	4	4	4	4	4	4	4
	5	5	5	5	5	5	5	5	5
	6	6	6	6	6	6	6	6	6
	7	7	7	7	7	7	7	7	7
	8	8	8	8	8	8	8	8	8
	9	9	9	9	9	9	9	9	9

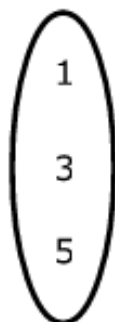
Find the slope of line AB.



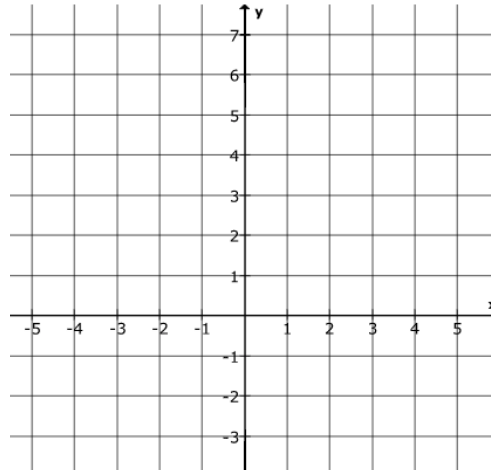
6. What is the slope of line DE?



7. Draw arrows that would cause the map to not be a function.



8. If $m = \frac{1}{2}$ and $b = -2$, continue the graph to at least 3 points.



9. Write the equation of the table.

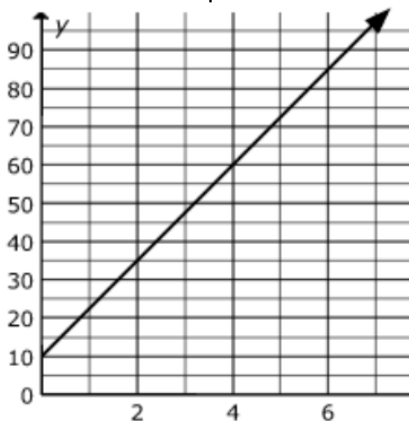
X	Y
-3	12
-2	10
-1	8
0	6
1	4

10. Fill out the table based upon the equation

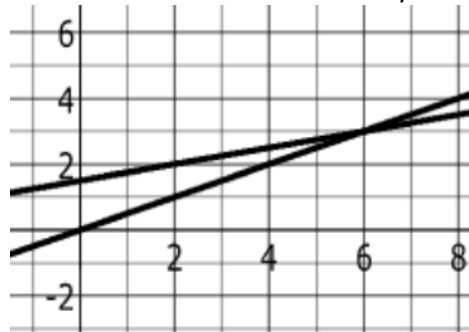
$$y = 3x - 5$$

X	Y
13	
6	
-5	
	-2

11. What is the equation of the line?



12. What is the solution to the system?



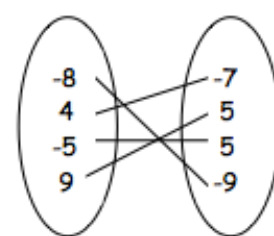
13. Kristen works at a bow making shop, she charges \$12.50 for each bow plus a \$10 processing fee. Write an equation to show how much she charges.

14. A taxi ride costs \$2 for the first mile and \$4 for each additional mile. Write an equation to show how much a taxi charges.

15. Write the equation of the table.

Hours	Wages
2	\$27.00
4	\$48.50
7	\$80.75
11	\$123.75

16. Function or not? Why?



17. Solve for g

$$9g - 3 = 2g + 25$$

18. Solve for b

$$8b - 7 = 7b - 2$$

19. What determines if a line is proportional or not?

20. What determines if a line is increasing or decreasing?