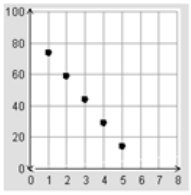
Name: Weekly Math Homework – U4:W1

Monday

Is this a function? Yes or No



Solve the system by the elimination method.

$$x + 6y = 2$$
$$-3x - 12y = -6$$

Karla's starting salary was $32,200. She gets a $700 raise every year. Write an equation that models this.

	Boys	Girls
Pancake	31	34
Waffle	36	44
Biscuit	18	26

What % of everybody that was surveyed were boys?

How many people chose biscuits as their favorite?

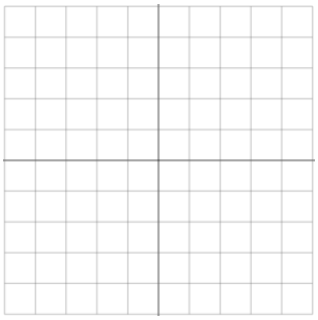
Find the slope between the following points:

$$(-9,10), \text{and } (0,-2)$$

Tuesday

Solve the following system of equations by graphing:

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



Which of the flowing best describes a negative correlation?

A) The length of a person's arms over time.
B) The depth of a bath tub as it drains over time.
C) The amount of time you drive as compared to the distance traveled.
D) The total cost of a pizza and the number of toppings you put on it.

How many more boys liked pancakes than boys who liked biscuits?

What percentage of the girls liked pancakes?

What percentage of the people who liked pancakes were girls?

A survey of 250 high school students asked if they preferred Valentine's Day or the 4th of July as their favorite holiday. 160 of the people surveyed were girls. The results found that only a third of the boys preferred Valentine's Day while the girls split their votes with half preferring Valentine's Day and half preferring the 4th of July. Draw a two way frequency table that represents this survey.

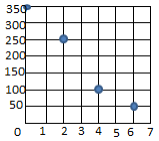
	V-Day	July 4th	Total
Males			
Females			
Total			

Wednesday

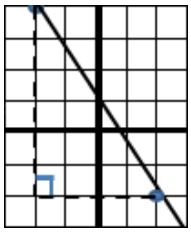
Which of the following numbers is irrational?

$$3.2, 5\frac{2}{3}, \sqrt{5}, 3.\overline{32}$$

Does this show a linear relationship?



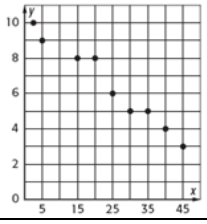
What is the slope of the line?



Solve the system by the substitution method.

$$y = -7x - 6$$
$$7x - 3y = 18$$

Is the correlation positive or negative?



My Work

Monday	Tuesday
Wednesday	Thursday