Problem of the Day: Solve for c.

C=oto(wto)

Work on extra credit logic puzzle after test (d

Homework Week 4 is due tomorrow

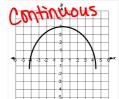
Objective: We will be able to identify types of data.

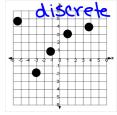
Today is National Cheeseburger Day!!

There are two kinds of data.

Continuous - data connects to make a smooth, solid line; data exists for fractions and decimals.

Discrete - data does not connect and features jumps; data exists only for whole numbers





Example: Determine if the following cases would result in continuous or discrete data.

1. the time it takes to run a mile

Continuous

2. the number of shirts sold at Wal-Mart

discrete

3. the number of people attending a concert

discrete

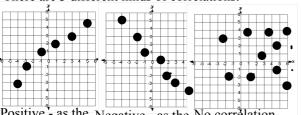
4. the amount of rain falling in a hurricane Continuous

As we look at graphs, we can determine if there is a relationship between the x- and y-values.

A relationship that exists between the x-values and y-values is called a correlation.

Example: The amount of studying compared to grades

There are 3 different kinds of correlations.



Positive - as the Negative - as the No correlation x-values x-values increase, there does not increase, so do appear to be a the y-values the y-values. relationship that decrease. exists.

Example: Determine if there is a positive, negative, or no correlation.

