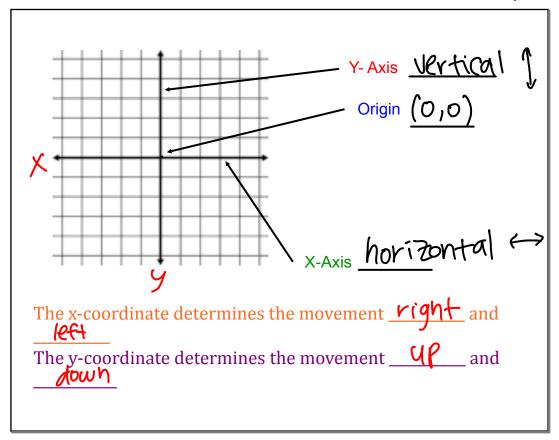
Variables

A Variable is a Symbol (often a letter) that represents a Numeric value.

5X Variable

A coordinate plane is formed by two	(es
that intersect at point, called the Ori	gin_
(point) Each Value on the plane corresponds to	
	an <u>ordered pair</u> of
<u>coordinates</u> (x,y)	
	V ./ala
The first number in an ordered pair is the _	X-Value.
The second number is the Y-value	

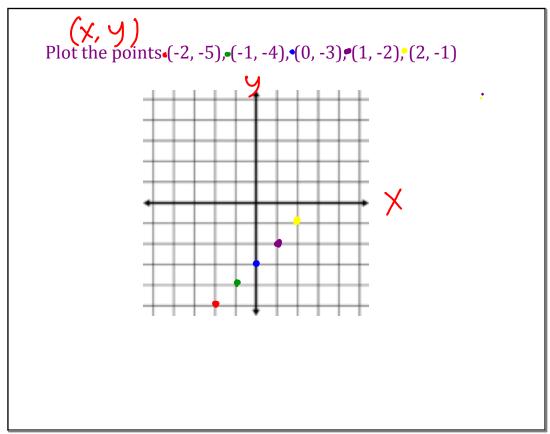


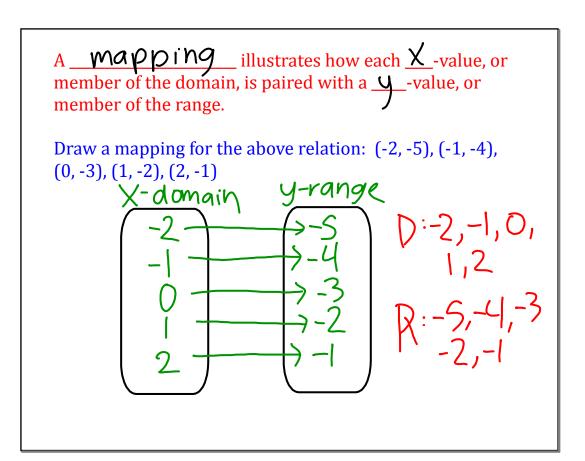
Each ordered pair shows a Yelation between the X-value and Y-value.

A Yelation can be represented by:

> Ordered pairs
> Plotting points on a coordinate plane
> Mapping
> Table of values
> Equation

Y = X + I





A + Able of values also shows the relationship between $\underline{\mathsf{X}}$ -values and $\underline{\mathsf{Q}}$ -values. (x,y)

Create a table of values for the same relation: (-2, -5), (-1, -4), (0, -3), (1, -2), (2, -1)

Another way to represent a <u>relation</u> is through an equation

(x,y)The equation that represents the relation:

(-2, -5), (-1, -4), (0, -3), (1, -2), (2, -1) is y = x - 3.

Verify:
$$y=X-3$$

 $-5=-2-3 \rightarrow -5=-5$
 $-4=-1-3 \rightarrow -4=-4$
 $-3=0-3 \rightarrow -3=-3$
 $-2=1-3 \rightarrow -2=-2$
 $-|=2-3 \rightarrow -|=-1$

Pg 43:9-13 odd, 17-20, 21,22,24,25,27-31 odd