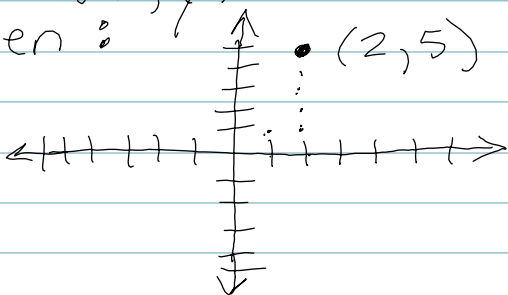


# Algebra 1 Notes : Graphing and plotting points.

A) x-axis :  $\longleftrightarrow$  : independent variable  
y-axis :  $\updownarrow$  : dependent variable

B) - independent variable - stands alone  
- does not get manipulated

- dependent variable - what is being measured  
for changed based on x (independent variable)  
- if x THEN y

C) ordered pair : (x, y) ... so if you have  
(2, 5) then :  (2, 5)  
over 2  
up 5

D) range : the distance between the highest value  
and the lowest  
- so ... if the lowest value is 2,000 and  
the highest is 5,000 THEN range is  
(5,000 - 2,000) 3,000

E) mean : the average of all values  
- add the values then divide by the total  
number of values so for 1, 2, 3, 4  
-  $\frac{1+2+3+4}{4} = \frac{10}{4} = 2.5$