

# Graphing Review

1. The IV goes on the x-axis
2. The DV goes on the y-axis
3. The title should include the IV and DV  
(Ex. "The Effect of       IV       on the       DV      ")
4. Be sure your scales on the x and y are evenly spaced and numbered. (Count by 2s/5s/10s/etc. and space the number of boxes you skip evenly)
5. Plot the points of your data and use a ruler to make a Best-Fit-Line.
6. Choose two points that cross through exact points and use those as your  $(x_1, y_1)$  and your  $(x_2, y_2)$
7. To find the Slope:

$$\text{slope} = \frac{y_2 - y_1}{x_2 - x_1}$$

# Graphing Review (cont.)

8. Slope tells us the relationship between x and y

Ex. Slope = .7 which is also  $\frac{.7}{1}$  grams  
1 cm

Then for every 1 cm, we gain .7 grams

9. Finally, extend the line of the graph in order to answer questions about the graph!