

Name: _____

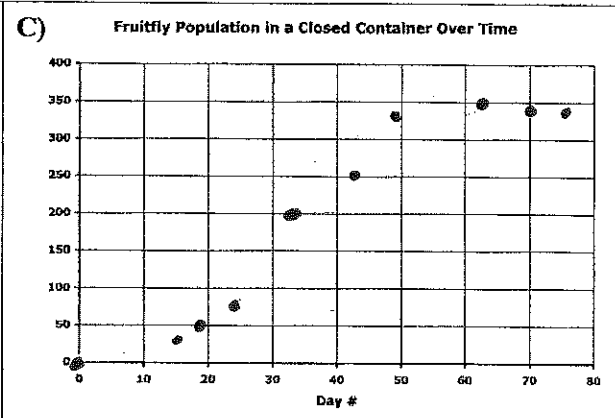
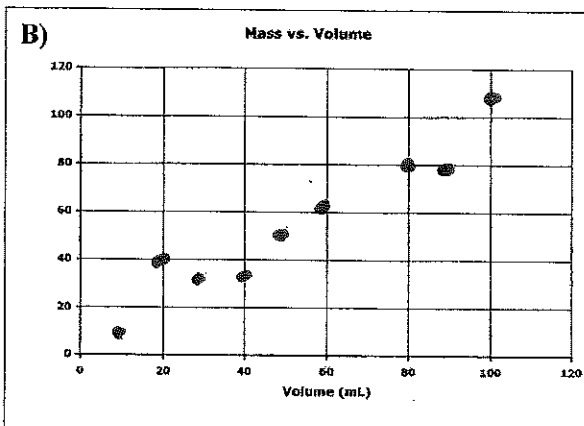
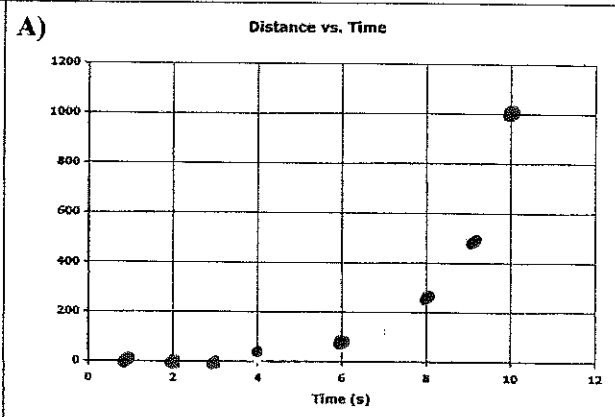
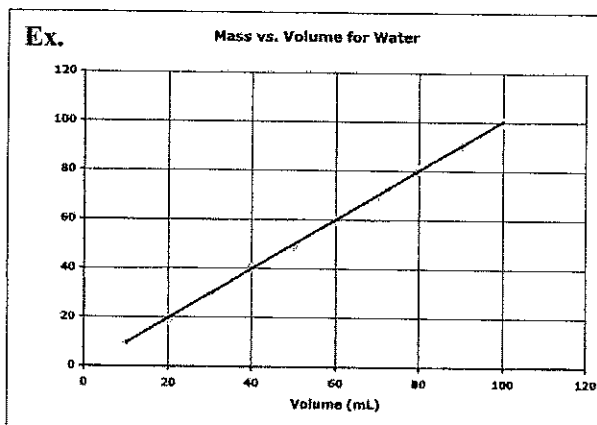
Date: _____ Period: _____

Graphing Skill #5: Best-Fit Line or Curve

With scatter plots it is important to put a best-fit line or curve through points where relationships exist.

- ☐ Do you notice a pattern or trend in the data?
- ☐ If so, draw a straight line or curve that represents that trend.
- ☐ All points should lie on or very near the line
- ☐ For points not on the line, about half should be above the line and half below the line
 - ☐ The sum of the distance between the line and all points above should approximate the sum of the distance between the line and all points below (residual values)
- ☐ Your line **should not** extend beyond the range of your data

For each of the following graphs, please add the best-fit line or curve. The first one has been done for you.



Name: _____

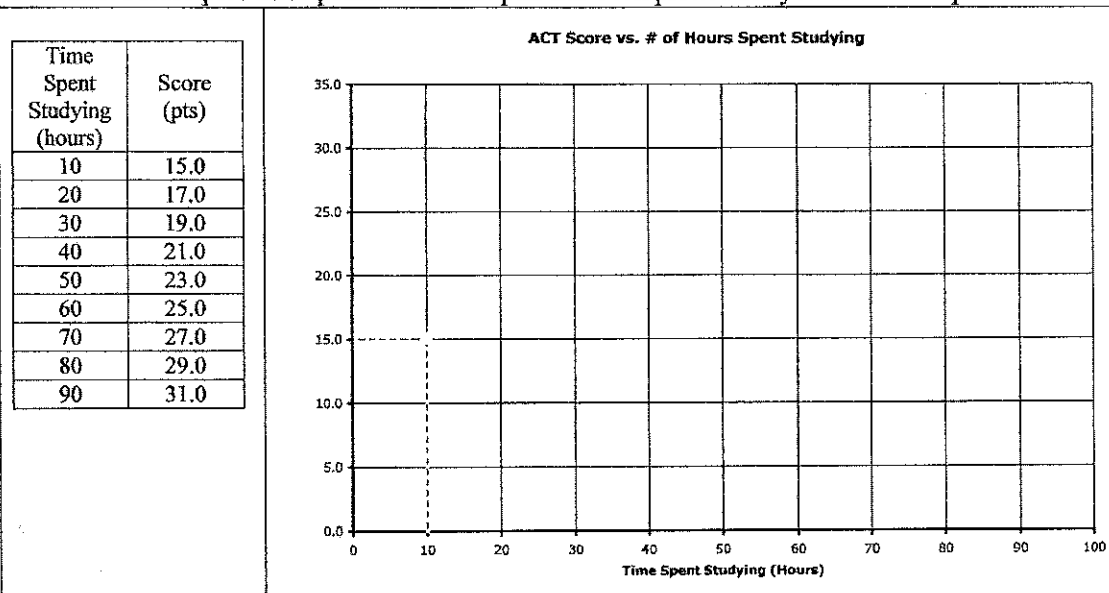
Date: _____ Period: _____

Graphing Skill #4: Plotting Points

Plotting points can be easy if you follow these simple steps...

- STEP 1: Select the first pair of values from the data table (X and Y).
- STEP 2: Draw a light dashed line up from the number on the X axis and over from the number on Y axis.
 - Once you get good at plotting points, you won't need to draw these lines anymore
- STEP 3: Where these dotted lines cross, put a dark point. Repeat for the next pair of points.

Practice: Please plot these points. The first pair has been plotted for you as an example.



More Practice: Please plot these points.

