**Graphing Your Data**

(Linear Regression Project)

-Make a scatter plot of your data on graph paper. Be sure to include the following:

 Graph Title Independent Variable (x): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Axis Labels Dependent Variable (y): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

- List

Accurate Scale

Plotted Points Correctly

Once you have finished graphing your points by hand on your graph paper, plot the points in a scatter plot on your calculator. (**NO LINE OF BEST FIT YET – SCATTER PLOT ONLY!!)**

Do my two graphs look similar (the one by hand and one on the calculator)?

What type of correlation do you see on your graphs? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

After graphing your data by hand and on the calculator, use your calculator to find the line of best fit.

m = \_\_\_\_\_\_\_\_\_\_ b = \_\_\_\_\_\_\_\_\_\_

Line of Best Fit Equation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Sketch your line of best fit from your calculator onto your graph paper. **This needs to be done accurately!!**

Mrs. Bridges has seen my graphs (by hand and on the calculator) and my points and line of best fit are done accurately and similar on both graphs.

Mrs. Bridges: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Student: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_