**Correlation Coefficient Worksheet Name:**

Calculator steps for creating a scatter plot:

1. Stat
2. Edit – put x’s in L1 and y’s in L1
3. 2nd y =
4. Choose first type of graph

Calculator steps for finding “r” and graphing:

1. Stat
2. Calc
3. #4 (LinReg)
4. Vars
5. Y-vars
6. Y1
7. Enter
8. Enter

Once you have written the r value written down, press zoom 9 to graph.

1. Record the value of *r.*

2. Draw a scatterplot for each.

3. For each graph, draw a line of best fit.

4. For each graph, write a sentence describing how closely the data points relate

to the line of best fit.

5. What is the connection between the sign of *r* and the slope of the line of best

fit?

