

## Calculator Steps to Graphing Scatter Plots on TI-84 Plus:

**To enter data into a list ( $L_1$ ):** [List 1 data should be your x-values or your independent variable]

**STAT**      **ENTER**      "1: Edit"

Enter data into  $L_1$ , press **ENTER** after entering a piece of data.

Next, arrow over to the next column,  $L_2$ . [List 2 data should be your y-values or your dependent variable]

Enter data into  $L_2$ , press **ENTER** after entering a piece of data.

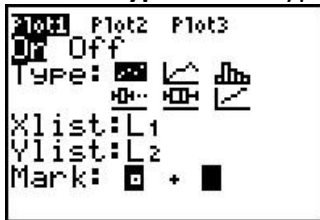
If there is old data in the list, To clear a list:

Arrow up to highlight the list- (example  $L_1$ )      **CLEAR**      **ENTER**

**To create a Scatter Plot after entering data into  $L_1$  and  $L_2$ :**

**2<sup>nd</sup>**      **Y =**      "Stat Plot"      **ENTER**      **ENTER**

Make sure the graph screen looks like the picture below. Make sure that "Plot 1" is highlighted and "On". Make sure the "Type" is the type highlighted below. It is really important that XList:  $L_1$  and YList:  $L_2$ .



Next, hit **GRAPH**      **ZOOM**      **9**      "ZoomStat"

Hit **TRACE** and then you can right and left arrow through the plot.

**To find the TREND/LINE OF BEST FIT FROM THE DATA YOU ENTERED:**

**STAT**      Arrow over to "CALC" then **4**      "LinReg(ax+b)"

Make sure XList:  $L_1$  and YList:  $L_2$ . Arrow down to "Calculate" and hit **ENTER**

When you get the answer:

$$y = ax + b,$$

a = #      a is your SLOPE/RATE OF CHANGE

b = #      b is your Y-intercept.