

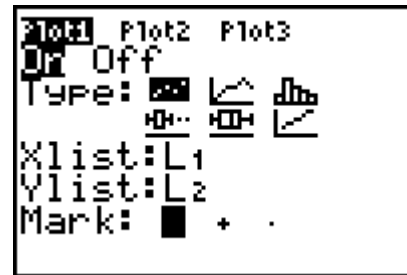
## A Quick Graphing Calculator Refresher (TI-83+/84+):

### To Enter Data into the Lists:

1. Press STAT, #1 Edit and enter the trial #s in  $L_1$  and the # of M&M's into  $L_2$ .  
If you need to CLEAR the lists first: Arrow up to  $L_1$ , hit CLEAR, hit ENTER.

### To Produce a ScatterPlot:

2. Use "STAT PLOT" #1 to create a broken-line graph of the data. Be sure to highlight the items shown at the right.



### Turn the Diagnostics On:

3. Under CATALOG, find "DiagnosticOn" and hit ENTER. The home screen will read "DONE". You are all set.

### To Obtain a Regression Equation (Exponential regression for example):

4. Press STAT, arrow right to CALC and choose # 0 ExpReg. On the home screen the statement should read ExpReg  $L_1, L_2, Y_1$ . Press ENTER to see information about your curve. You will also see the equation in "Y=". Press GRAPH to see how well the graph fits your scatterplot.

### To find the Correlation Coefficient ( $r$ ) and the Coefficient of Determination ( $r^2$ ):

5. With the "Diagnostics" turned on, the  $r$ -value and  $r^2$ -value will appear after step 4.