TI-83 or TI-83 Plus

**To make a graph of data points on your calculator:**

2nd STAT PLOT

Select 1

Put cursor on ON and press enter

Select a scatter plot

X list L1

Y list L2

Select the type of mark that you want for your data points

2nd QUIT

**To enter your data points:**

STAT

Select edit

Enter your values

**To set your window:**

ZOOM

Select ZOOMSTAT

**To have calculator write the equation of the best fitting straight line:**

STAT

Right arrow to select CALC

Select LinReg(ax+b)

After LinReg(ax+b) on the home screen, type 2nd L1 , 2nd L2 ,

VARS

Right arrow to Y-VARS

Select Function

Select Y1

Now your screen should look like the one below:

LinReg(ax+b) L1, L2, Y1

When you type enter, the calculator will write your equation and enter/store it in Y1.

**To compare values from your model to actual values from your data:**

2nd TBLSET

TblStart = the first x-value from your data points

$∆Tbl=$ how much you would like for your x-values to increase/decrease by

2nd TABLE

Note:

When you are not using your STATPLOT functions, they should all be turned off.

Press 2nd STATPLOT

Select item 4

Enter

Enter