

Procedure for Scatter Plot and Linear Regression on TI-83/84

- I. Setup (once per calculator)
 - A. **STAT 5 ENTER** * set up editor *
 - B. **2ND 0 DownArrow** to "DIAGNOSTIC ON" **ENTER ENTER**
* turn on diag. *

- II. Enter Data
 - A. Clear L₁ and L₂, the x and y values
STAT ENTER * enter statistical editing mode*
UpArrow to L₁ label, then **CLEAR ENTER**
RightArrow UpArrow to L₂ label, then **CLEAR ENTER**
LeftArrow to first entry in L₁
 - B. Enter x and y data points using **ENTER** and **Arrows**
 - C. **2ND MODE** * quit *

- III. Prepare to plot
 - A. **y=** * go to function screen *
 - B. **UpArrow** to "PLOT1" and **ENTER** * turn on statistical plot 1 *
 - C. **DownArrow CLEAR** * clears the Y₁ entry *

- IV. [OMIT steps IV A, B, and C to make only a scatter plot] Do regression, depositing equation in Y₁
 - A. **STAT RightArrow** to "CALC", then **4** for LINear REGression
 - B. **VARS RightArrow** to "Y-VARS" then **ENTER ENTER**
* instruct calculator to put regression eqn. in Y₁ *
 - C. **ENTER** * main screen fills with regression data *

- V. Plot data and regression line (least squares best-fit)
 - A. **ZOOM 9** * zoom stat. forces graphing *