Clearing Out Old Data on a TI-83/84 Calculator

1. Select **STAT**
2. Select **1**: Edit to edit a data list
3. To clear L1, use your **cursor up button** to put the cursor on "L1", then select **CLEAR**, then **ENTER**
4. Your list should now not contain any data.
5. Use your cursor buttons to clear other lists as needed.

Entering Data into a Data List on a TI-83/84 Calculator

1. Select **STAT**
2. Select **1**: Edit to edit a data list
3. Your cursor should be in the first position under L1. If your data is to be entered into another list, use your **cursor buttons** to move to that list.
4. Type in each data value, select **ENTER** after each to move down in the list.

Creating a Scatterplot

1. After entering your input and output data into two lists, select **2nd, Y=** (this is the STAT PLOT menu)**.**
2. Choose one of the Plots (1, 2 or 3).
3. Select ON.
4. Select the scatterplot icon.
5. Set your list names.
6. Change your marker for points if you'd like.
7. Select **ZOOM, 9** to view the scatterplot.

Sorting Data on a TI-83/84 Calculator – not to be used with Linear Regression!

1. Select **STAT**
2. Select **2**: SortA(for ascending order **3**: SortD(for descending order
3. For List 1 (L1), select **2^{nd}, 1, ENTER**
4. See "Done" on the screen.
5. You may look at your list to verify it's sorted by following the steps for **Entering Data** or see Step 6.
6. To quickly view list L1, select **2^{nd}, 1, ENTER**

Linear Regression – finding the "Line of best fit"

1. Enter your input data into one list and your output data into another list. Make note of the names of the lists. (See above for instructions on entering data if needed)
2. View the scatterplot if you would like. See above section on Scatterplots.
3. Select **STAT**, cursor to the right for CALC, select **4:**LinReg (ax + b) ***or*** **8:** LinReg(a + bx)
4. Enter your 2 list names separated by a comma, select **ENTER**. You should see the values for a and b, (you may also see r^2 and r - these are only needed for Statistics and not College Algebra).
5. If r^2 and r don't show, select **2nd, 0** (for catalog). Then cursor down to DiagnosticOn, select **ENTER** twice. You should see "Done". Now repeat steps 3 and 4.

To have the equation automatically placed into Y1 in the Y= menu:

Do steps 1 and 2 from above.

3. Select **STAT**, cursor to the right for CALC, select **4:**LinReg (ax + b) ***or*** **8:** LinReg(a + bx)
4. Enter your 2 list names separated by a comma.
5. Select the comma again.
6. Select **VARS**, cursor right to Y-VARS, select **1**:Function, select 1:Y1, select **ENTER**.
7. To see the graph of the line, select **ZOOM** then 9:ZoomStat, or select **GRAPH**.