TI 83/84 Directions

Clear memory:

- 2^{nd}, +, 7, 1, 2

Putting in an equation:

- push the "y=" button
- enter in equation
    - use the "x, t, θ, n" button for x

Turning on diagnostics – to get the correlation coefficient

- press the 2^{nd} key and then the 0 and this will get you the catalog
- scroll down until you get to "diagnosticon" and hit enter twice, once to select and once to turn it on.

Putting data in:

- Push the "stat" key
- Press enter to edit the list
- Put your x data in L_1 and y data in L_2

Calculating the equation of the line from data:

- Push the "stat" key
- Right arrow over to "calc"
- Select "4:LinReg(ax+b)" either by hitting the 4 or arrow down to 4 and enter
- Hit enter again to have it calculate the slope, a, and y-intercept, b.
    - If you turned the diagnostics on you will also get r^2 and r.
    - r is the correlation coefficient.
        - r lies between -1 and 1. The closer it is to 1 the closer it is to a linear relationship.
        - If it is positive, the correlation is positive meaning the slope is positive and as x increases, so does y.
        - If it is negative, then the slope is negative and as x increases, y decreases.

To plot your data:

- Press 2^{nd} and "y=" to get to stat plot
- Turn on the stat plot
- Make sure it is on a scatter plot
- Make sure what you want for x and y are from the right lists
- Select your mark for the scatter plot

Changing the window of your graph (if you can not see what you put in most likely you need to do this.)

- Press the window key
- Change your xmin, xmax, ymin, and ymax. They should work with the data you entered.
- You do not need to change any of the other things.

Changing the table view:

- Press 2nd and then window to get Table set up (TBLSET)
- TblStart is where you want to start the table so you can use this to jump in a table where ever you want.
- △Tbl means the change in the table so you can set this to make the jumps in the table bigger or smaller.