Linear Regressions Cheat Sheet
Exploring Data on the TI-84

To find the linear model for the data, use the calculator to draw the line of best fit.

1. Go to y= screen and clear all equations

2. To enter the data

   STAT ⇒ 1:Edit, enter data into L₁ and L₂ (if you have data in L₁ and L₂ you need to select ClrList and type in the Lists you want to clear) When you type in the new data make sure your x values are in the first list and y are in the second.)

3. To set up the plot of the data

   2nd ⇒ STAT PLOT (y= key) ⇒ 1:PLOT1 and hit ENTER
   Select the following:
   On
   Type: scatter (first picture)
   Xlist: L₁
   Ylist: L₂
   Mark (any)

4. To graph the scatter plot

   ZOOM ⇒ 9: ZoomStat and enter

5. To find the linear regression and paste it into the y₁ equation on the home screen

   STAT ⇒ CALC ⇒ 4:LinReg(ax+b) and select L₁, L₂, y₁ (y₁ found under VARS⇒Y-VARS⇒1:Function⇒1:Y₁) do all this before you hit enter (phew)