

TI83 and TI84 Help Sheet #2

Regression Equations

Step 1: Entering the Data.

STAT

Choose Option **1: EDIT** and then enter the data into L_1 and L_2

Note:

To clear old data:
Step1: Highlight L_1 or L_2
Step2: "Clear"
Step3: "Enter"

Step 2: Graphing the Data

Y=

"Plot1" and "Enter" This will allow you to plot the data.

ZOOM

Choose the Option **9: ZoomStat**

Note:

To compare various regression equations: Store one equation in Y_1 and another in Y_2 and then compare the characteristics of each graph.

Step 3: Finding and Graphing a Regression Equation.

STAT

"CALC" then choose the equation that you think will fit the best.

VARS

"YVARS" then Choose Option **1: Function** then **1: Y_1**

Tables

Note: You must have an equation entered into $Y=$ in order to use tables.

Generating an unlimited table:

2nd

TBLSET

"TBLSET" is the option above the "Window" Key.

Choose "AUTO" for both the independent and the dependent variables.

2nd

TABLE

"TABLE" is the option above the "Graph" Key.

Question:

How do the values for "TblStart" and " Δ Tbl" change your table?

Generating a table to find specific values:

2nd

TBLSET

TBLSET" is the option above the "Window" Key.

Choose "ASK" for the independent and "AUTO" for the dependent variable.

2nd

TABLE

"TABLE" is the option above the "Graph" Key.

Enter the "X" values and the calculator will generate the "Y" values.