

## **USING THE STATISTICAL FEATURES OF THE TI-86**

### **A. ENTERING DATA**

1. Go to the STAT menu by pressing 2<sup>nd</sup> and then the plus sign, and select EDIT.
2. If there are values remaining from a previous problem, delete them.
3. Enter x-values in the first column (xStat) and then y-values in the second column (yStat). Press ENTER after each entry, and use the arrow keys to move to the other column.

### **B. GRAPHING THE SCATTER PLOT**

1. Clear your y= menu.
2. On the WINDOW menu, key in appropriate values for xMin, xMax, yMin, yMax so that your data can be displayed.
3. On the STAT menu, select PLOT, and then PLOT1, and On. Use your down arrow to go to Type, and select scat (for Scatter Plot).
4. Exit and then GRAPH.

### **C. FINDING AND GRAPHING A REGRESSION EQUATION**

1. On the STAT menu, select CALC.
2. Choose the type of regression equation desired; for example, LinR for linear models, ExpR for exponential models,.
3. Key in xStat, yStat, y1 Enter. (Note: xStat and yStat can be found by pressing 2<sup>nd</sup> and then the minus sign, which gives the LIST menu, and then selecting NAMES. You may also have to press the MORE key a few times.)
4. The calculator will calculate the regression equation and store it in y1. You can see the function by going to the y= menu.
5. Graph to see how the regression equation fits the data on the STATPLOT.