

Constructing Graphs On The TI-73

1. Press LIST. **Enter the data in the list(s)**. If there is already data in the lists you intend to use, cursor to the very top to highlight the name of the list. Press CLEAR ENTER. Make sure you have the same number of items in both lists, or the calculator will give you a dim mismatch error message.

2. Press WINDOW . **Set window parameters** by typing values for the X min, the X max, the Xscl (interval for tic marks on the axis), the Ymin, the Y max and the Yscl. Make sure your values allow you to view a window showing all data.

3. Press Y=. **Clear any equations listed** that you do not wish to see in your graph by positioning the cursor at the beginning of the equation and pressing CLEAR. If you don't want to clear them, but want only to turn them off, position the cursor on the = sign and press ENTER.

4. Press 2nd Y=. In this plot menu, you may **select plot** 1, plot 2, or plot 3. Make sure the plots you have not selected indicate "Off". You may press 4, ENTER to turn off all plots, before selecting one of the plots to work with. Then go back to 2nd Y=. Once you have selected one of the plots by typing the number of the plot or moving the cursor to that number and pressing ENTER, be sure to turn the plot on by pressing ENTER when the cursor is blinking over the word "On".

5. Still in the plot menu, you will need to **choose the type of graph** by highlighting the icon for the desired graph and pressing ENTER. The types of graphs in the order they appear on your screen are: scatter plot, line graph, pictograph, bar graph, circle graph, histogram, box and whisker plot with no outliers, and box and whisker plot with outliers.

6. Once you have selected the type of graph, **tell the calculator which lists you want** to use. To do this, cursor down to the list name, press 2ND LIST, and press the number of the list you want to use, or scroll down to find the name of the list and press ENTER. You will want to do this to choose the list for both X and Y (for scatter plot or line graph) or for both the Category and the Data lists (for pictograph, bar graph, or circle graph.)

7. Last, **view the graph** by pressing GRAPH. To see the values on the graph press TRACE and move the cursor.

Trouble shooting:

No graph appears: Make sure you have turned graph on, or make sure window parameters are correct.

Error: Invalid Dim or Dim Mismatch: Check the lists you have selected in Plot and in List.

Error syntax error. Check to make sure you have entered negative signs or other symbols correctly.