EXPLORATIONS

Appendix

Before starting data collection using the TI-73, check the following settings.

Checking the MODE settings

The MODE settings control how the TI-73 displays and interprets numbers and graphs. The MODE should be set to the default setting of the TI-73. The term *default setting is* calculator terminology that describes a screen where all of the items or functions selected are in the leftmost column.

If the MODE setting is not set to the defaults:

1. Press MODE to display the mode settings.

2. Press ⬇ until the cursor is on the line that does not have the leftmost option highlighted.

3. Press ENTER to change the setting.

4. Continue this process until you have selected all of the options that are in the leftmost column.

The mode is now set to the defaults.

Checking the Y= Editor

The TI-73 can store up to 4 functions to the variables **Y1** through **Y4**. Make sure that there are no functions stored in the Y= Editor.

1. Press Y= to display the Y= Editor.

2. If any functions are stored in the Y= Editor, press ▼ to move the cursor to the line that contains a function. Press CLEAR to remove functions.

Checking the WINDOW Settings

The WINDOW sets the viewing rectangle for the function's graph.
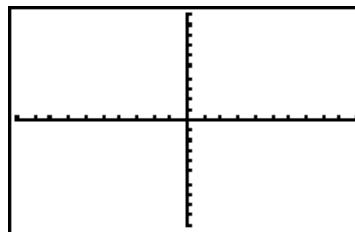
1. Press WINDOW to display the window.

2. Press ZOOM.

3. Select **6:ZStandard** by pressing **6**.

4. Press WINDOW to view the default settings.

```
WINDOW
 Xmin=-10
 Xmax=10
 ΔX=.2127659574…
 Xscl=1
 Ymin=-10
 Ymax=10
 Yscl=1
```

Checking the FORMAT settings

Make sure the **FORMAT** menu is set to the defaults. (Refer to the **Checking the MODE Settings** section for an explanation of defaults.)

1. Press 2nd [FORMAT] to display the **FORMAT** window.

2. Press ▼ until the cursor is on the line that does not have the default (leftmost) option highlighted.

3. Press ENTER to change the setting.

4. Continue this process until you have selected all of the options that are in the leftmost column.

    The format is now set to the defaults.

```
CoordOn  CoordOff
GridOff  GridOn
AxesOn   AxesOff
LabelOff LabelOn
ExprOn   ExprOff
```

Checking the STAT PLOTS settings

The **STAT PLOTS** menu controls the way in which data that has been entered in the calculator's statistical lists are plotted and/or displayed. There are several ways to turn all of the plots **OFF**. This section discusses two of those methods.

Method I

1. Press [Y=].

2. Check to see if any of the plots are selected.

3. If a plot is highlighted, press [▲] and [▶], as necessary, to move the cursor to the highlighted plot.

4. Press [ENTER] to turn the plot **OFF**.

5. Repeat Steps 3 and 4 until all plots are off.

Method II

1. Press [2nd] [PLOT] to display the **STAT PLOTS** menu.

2. If any of the plots are **ON**, select **4:PlotsOff** by pressing **4**.

3. Press [ENTER] to turn the plots off. The TI-73 screen displays the word **Done**.

```
PlotsOff      Done
```

4. Press [2nd] [PLOT] to display the **STAT PLOTS** menu. All the plots should read **OFF**.

```
STAT PLOTS
1BPlot1…Off
   ┗━ L1    L2   ▪
2:Plot2…Off
   ┗━ L1    L3   ▪
3:Plot3…Off
   ┗━ L1    L4   ▪
4↓PlotsOff
```

Using reset defaults to reset the MODE, WINDOW, FORMAT, and STAT PLOTS settings

The **MODE**, **WINDOW**, **FORMAT**, and **STAT PLOTS** can be reset simultaneously to default mode. Resetting the defaults on the TI-73 turns the plots **OFF**, sets the **MODE** and **FORMAT** to default settings, and sets a standard **WINDOW**. However, resetting the defaults *will* turn off but not clear out the functions in the Y= Editor.

Use the **Reset** menu to reset the **MODE**, **WINDOW**, **FORMAT**, and **STAT PLOTS**:

1. Press [2nd] [MEM].

```
MEMORY
1BAbout
2:Check RAM…
3:Check APPs…
4:Delete…
5:Clear Home
6:ClrAllLists
7:Reset…
```

2. Select **7:Reset** by pressing **7**.

```
RESET
1BAll RAM…
2:Defaults…
```

3. Select **2:Defaults** by pressing **2**.

```
RESET DEFAULTS
1BNo
2:Reset
```

4. Select **2:Reset** by pressing **2**.

```
GRAPH EXPLORER SOFTWARE
        1.60


     Defaults set
```
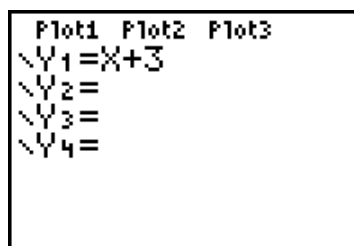
5. Press CLEAR to clear the Home screen.

```
█
```

6. If you check the Y= Editor (press Y=), you
will notice that the functions have been
turned **OFF**. (The equal sign is not
highlighted.)

```
Plot1  Plot2  Plot3
\Y1=X+3
\Y2=
\Y3=
\Y4=
```

If you want to turn the functions **ON**, move
the cursor over the equal sign and press
ENTER.

For data collection, leave the functions
OFF. If you paste a regression equation in a
function, **Y**, which already contains an
equation, the regression equation will
overwrite the existing equation.

Clearing lists

Lists can be cleared in several different ways on the TI-73. This section discusses three ways in which this can be done.

Method I

1. Press ⌈2nd⌉⌈LIST⌉.

2. Use the cursor keys (◁ ▷ ▽ △) to move the cursor to the top of the list you want to clear.

3. Press ⌈CLEAR⌉ ⌈ENTER⌉ to clear the selected list.

Method II

1. Press ⌈2nd⌉ ⌈STAT⌉ ▷ to move the cursor to the **OPS** menu.
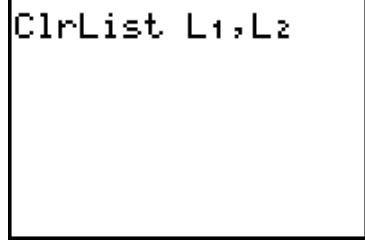
2. Select **3:ClrList** by pressing **3**.
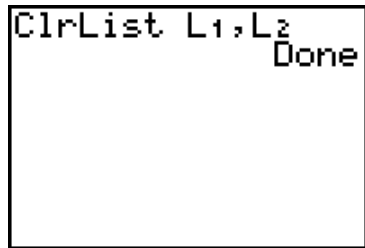
3. Press [2nd] [STAT] **1:L1** [,] **2:L2**.

> ***Note:*** *This will clear **L1** and **L2**. Additional lists can be included. Lists need to be separated by commas.*

```
ClrList L₁,L₂
```

4. Press [ENTER] to clear the lists.

```
ClrList L₁,L₂
           Done
```
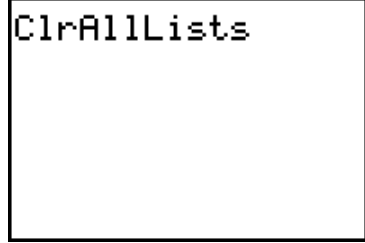
Method III

1. Press [2nd] [MEM].

```
MEMORY
1:About
2:Check RAM…
3:Check APPs…
4:Delete…
5:Clear Home
6:ClrAllLists
7:Reset…
```
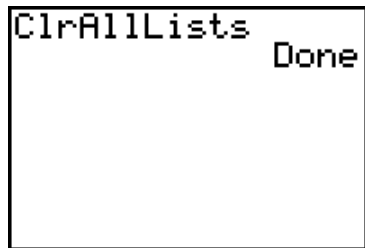
2. Select 6:**ClrAllLists** by pressing **6.**

```
ClrAllLists
```

3. Press [ENTER] to clear ALL lists.

> ***Note:*** *This method clears all lists, even those that do not appear on the list editor, but it does not clear the list names.*

```
ClrAllLists
          Done
```