Getting Started with TI InterActive™

**TI InterActive™** is a complete mathematics software program that incorporates the following features:

- Word processor with integrated maths system
- TI graphing calculator functionality
- Symbolic Computer Algebra System
- Integrated Web Browser
- Data editor with spreadsheet
- Graphing Technology Connectivity

To get familiar with these features, start a new worksheet:

Open TI InterActive.

The TI InterActive toolbar has the following buttons:

The Toolbar
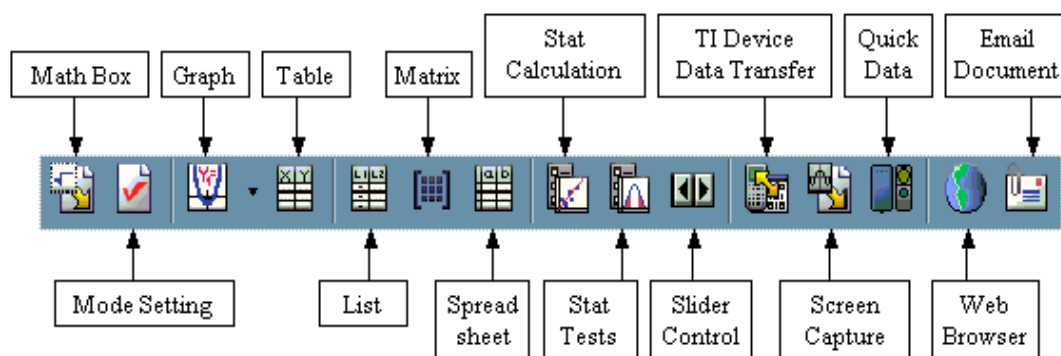
Create a sample lesson using these tools.
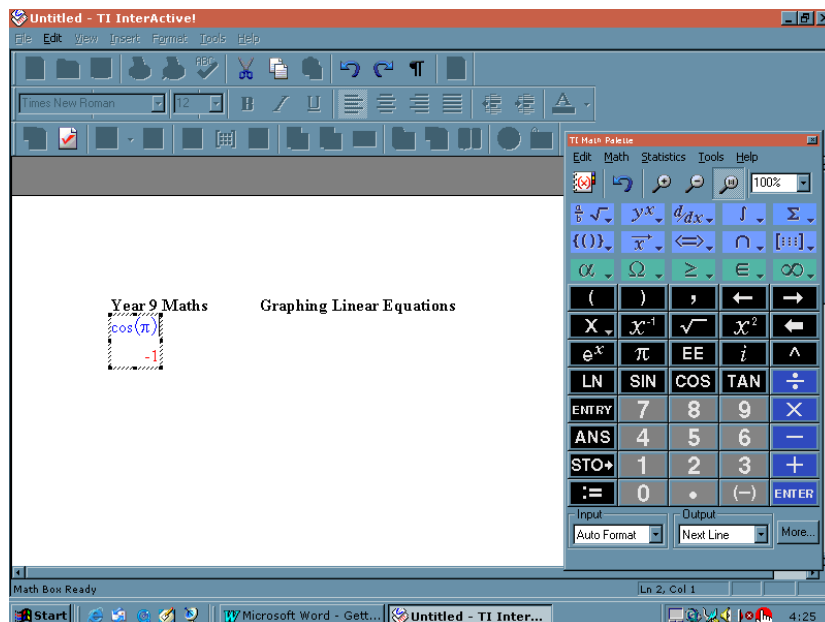Type in a heading such as "**Maths Demo   TI InterActive Features**".

Math Box

Click on the **Math Box** button.

Move the **Math Box** to the right of the screen.
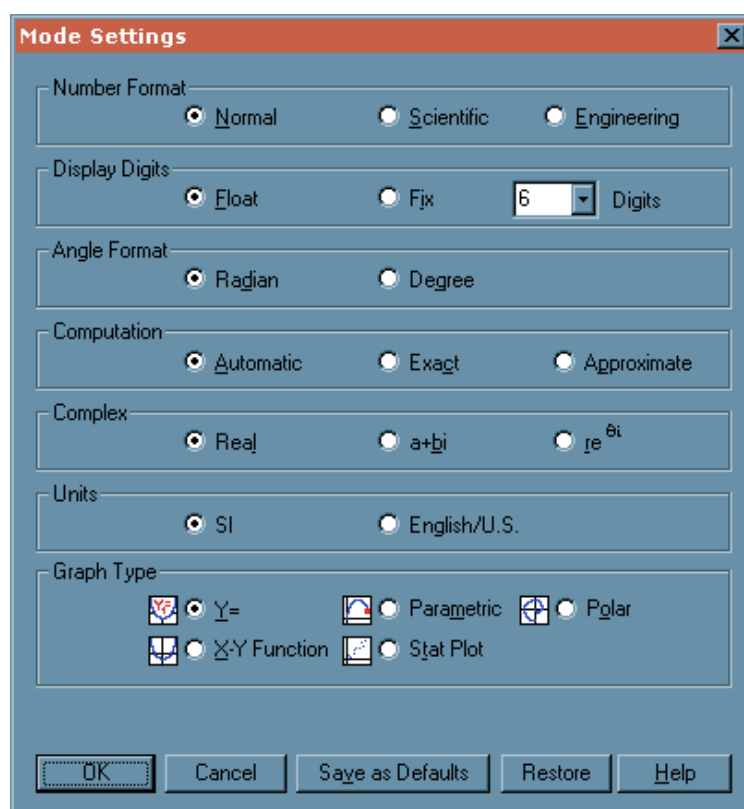Click on the buttons to calculate **cos(π)** with the result **–1**.

Mode Setting
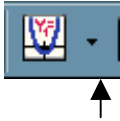
Click on the **Mode Setting** button.

Leave the default settings as shown below:

Graph

Click on the **Graph** button.

(Note – Clicking on the small arrow to the right of the **Graph** button displays a drop down menu of different graph styles)

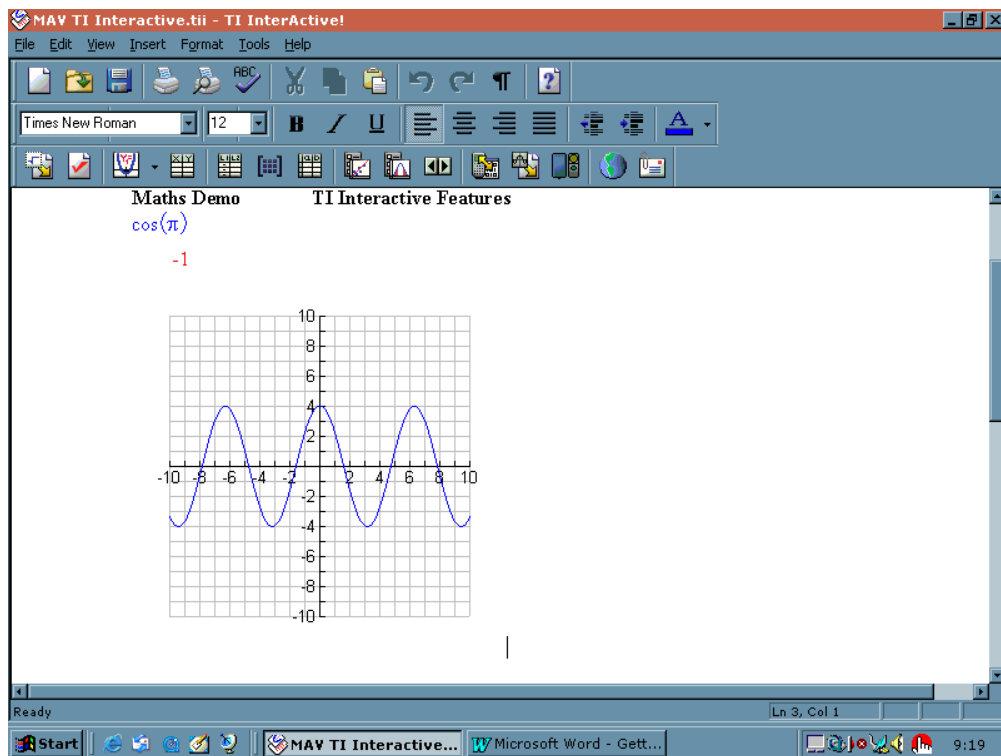In the box next to **y1(x) :=** type **4cos(x)** and press **Enter**.

Save to Document

Save to Document

Click on the **Save to Document** button to insert the graph onto the document (see previous diagram).
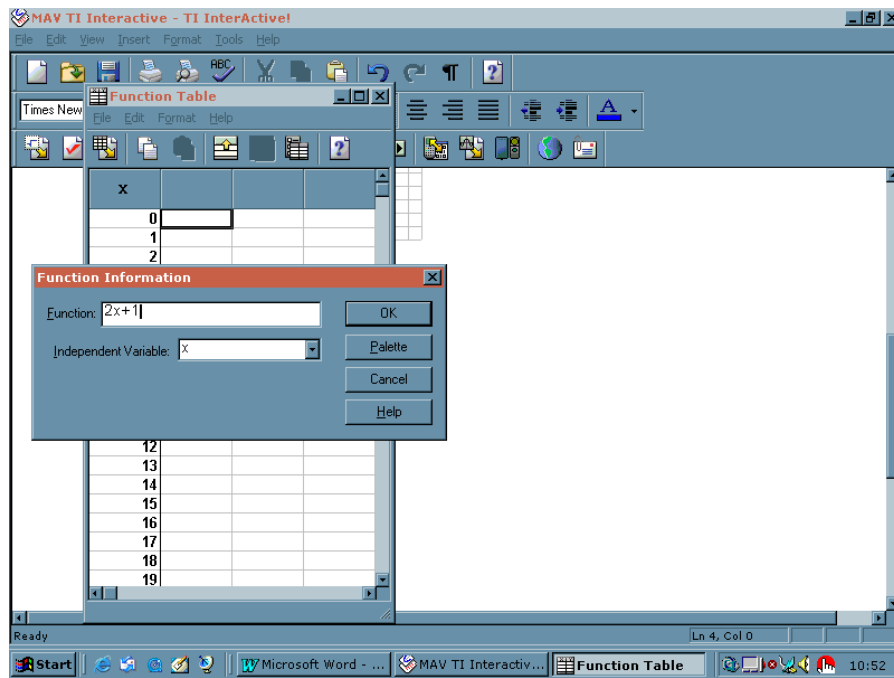
The document should now look like this:
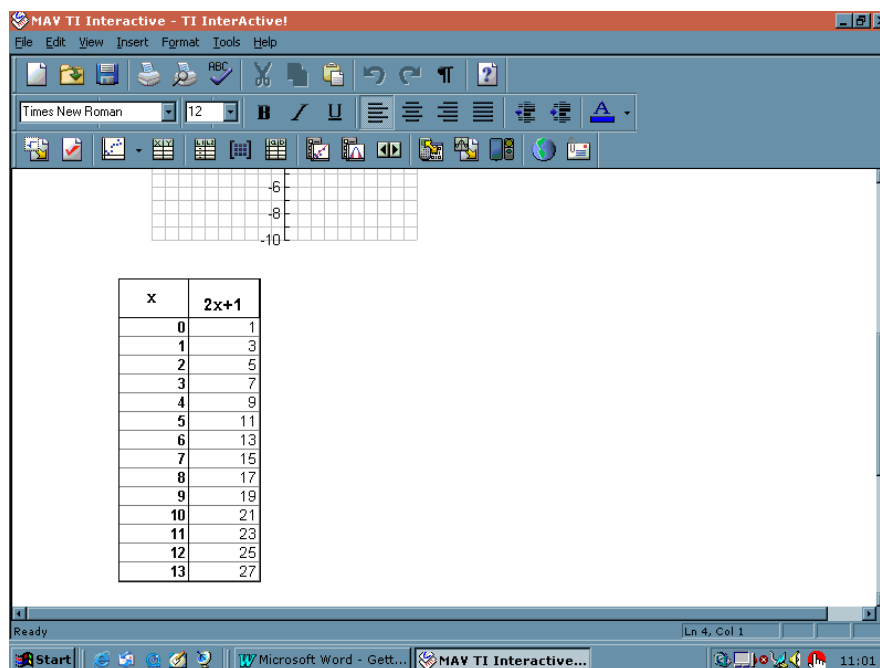

Table

Click on the **Table** button.

In the **Function Information** dialogue box, enter the expression **$2x + 1$**.
Press **Enter** or click on **OK**.

Click on the **Save to Document** button.

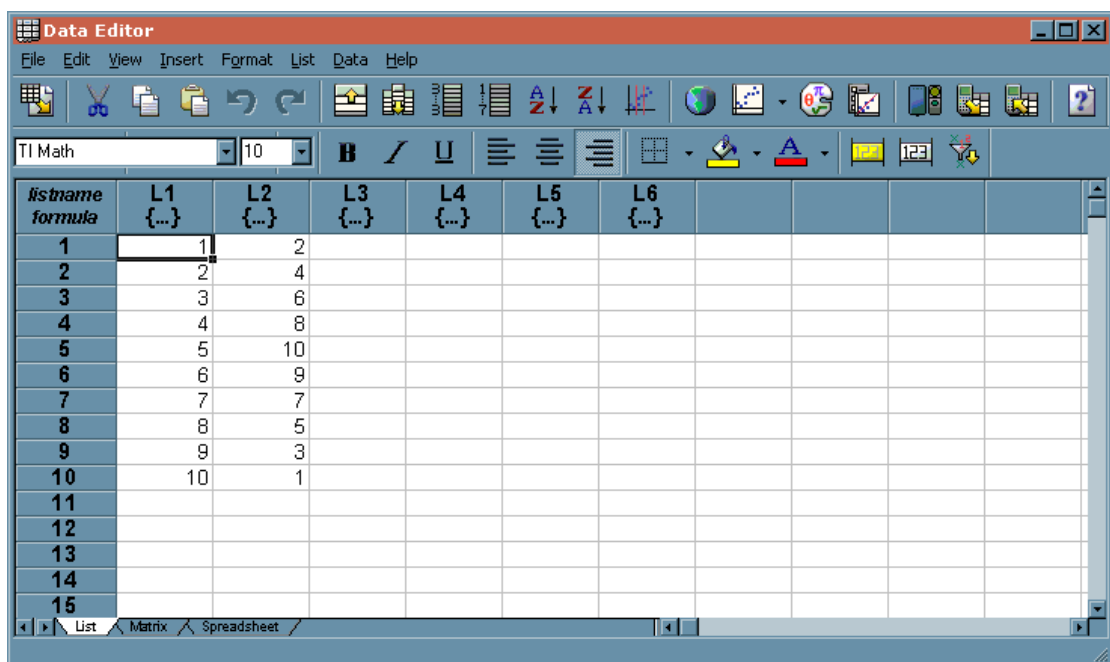Your document should now look like this:

In a similar way, create a **List**, a **Matrix** and a **Spreadsheet**, saving to document each time.

List

Click on the **List** button.

Enter the following data into **L1** and **L2**:

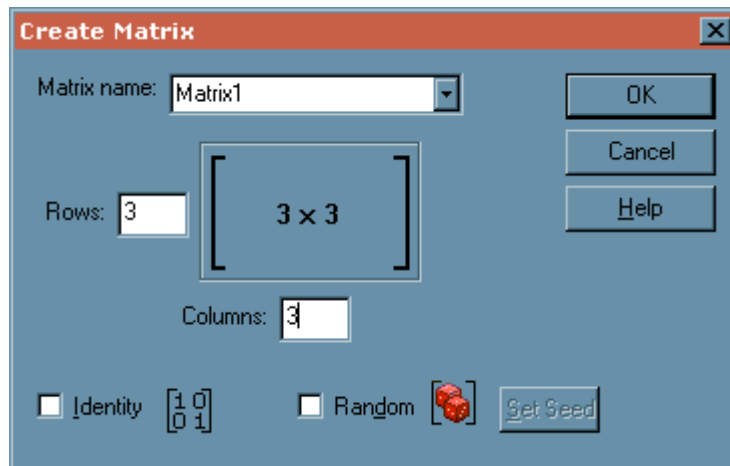Click on the **Save to Document** button.
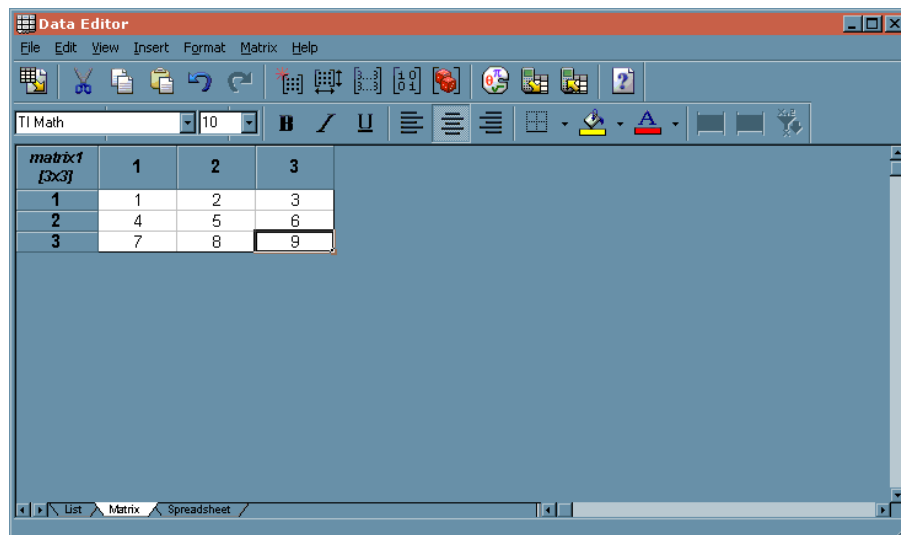
Matrix

Click on the **Matrix** button.

In the **Matrix name** box enter the name **Matrix1**.

Set the **Rows** to **3** and the **Columns** to **3**.
Press **Enter** or click on **OK**.

Enter the following values into the 3x3 matrix.
Press **Enter** or click on **OK**.

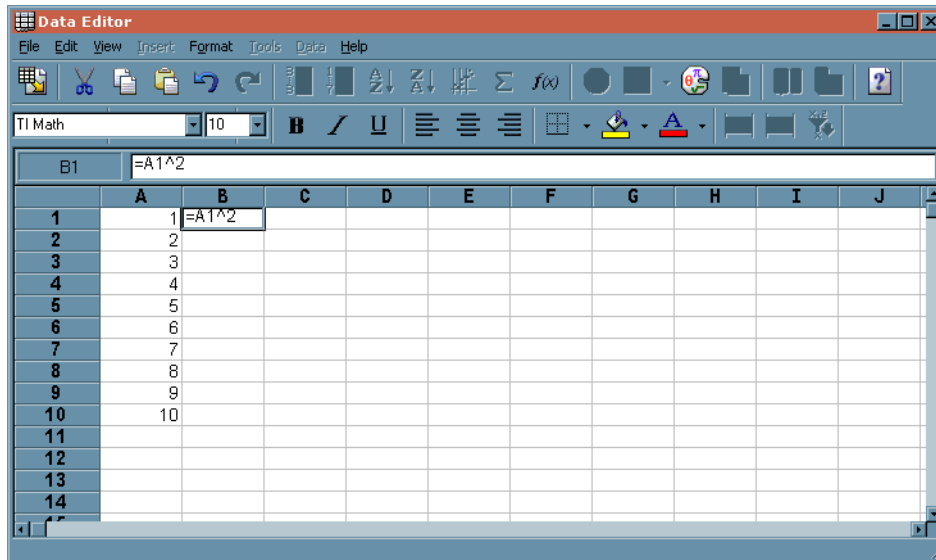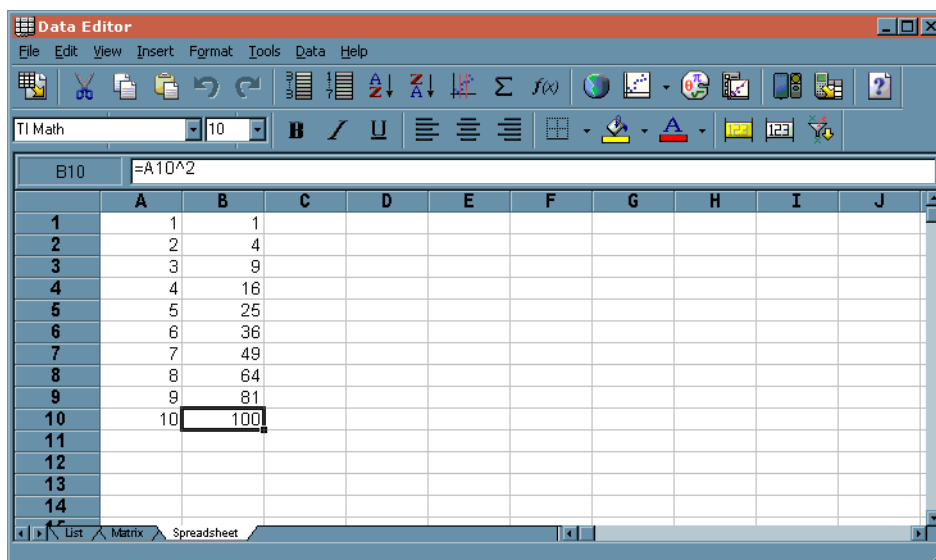Click on the **Save to Document** button.

Spreadsheet

Click on the **Spreadsheet** button.

Enter the numbers **1 to 10** in column **A**
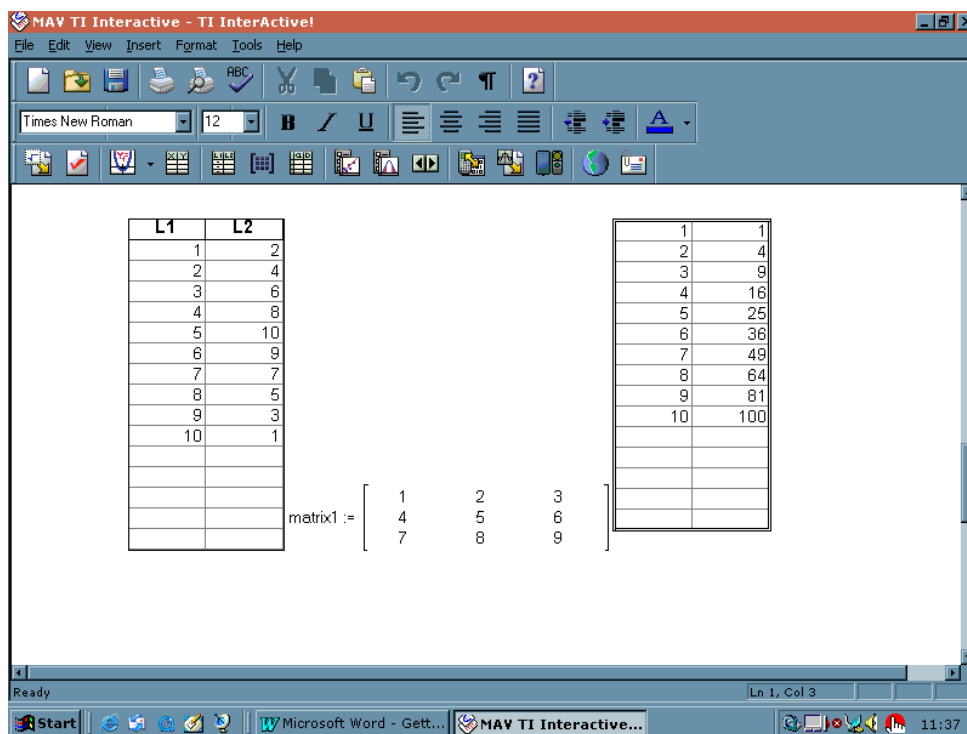Enter the formula **=A1^2** in cell **B1**

Fill down column **B**

Click on the **Save to Document** button

Your screen should now look like this:

Stat Calculation Tool

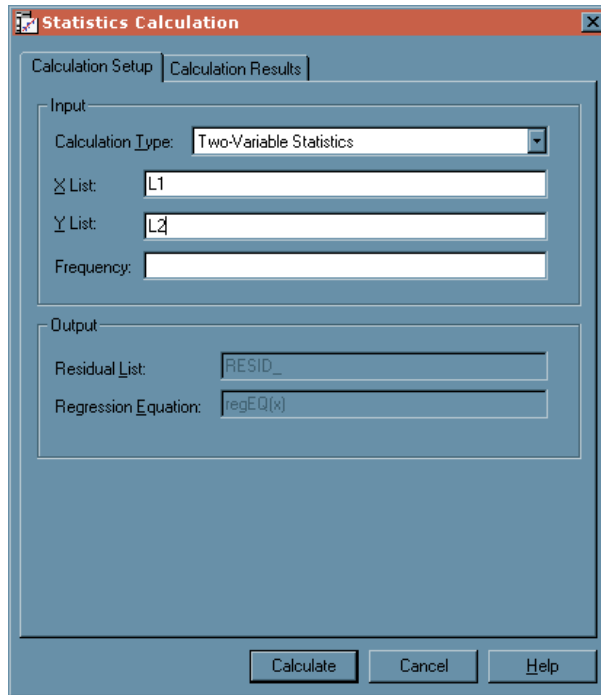Click on the **Stat Calculation Tool** button

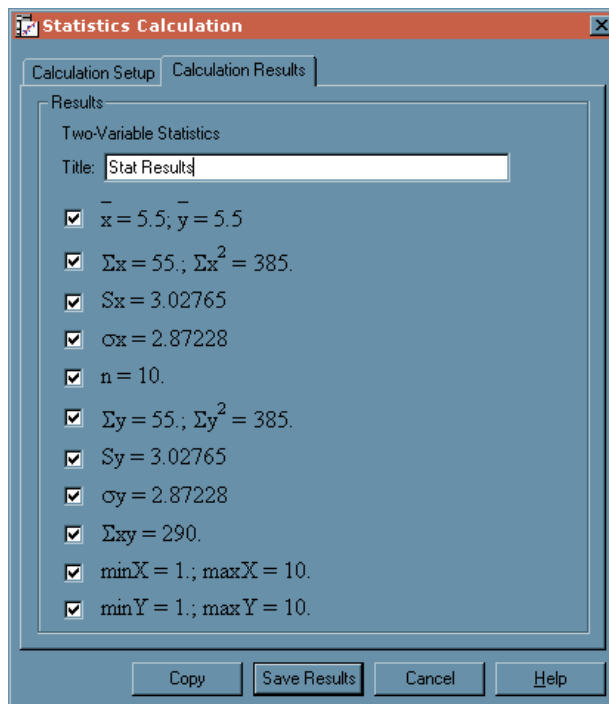Set the **Calculation Type** to **Two-Variable Statistics**
Set the **X List** to **L1**
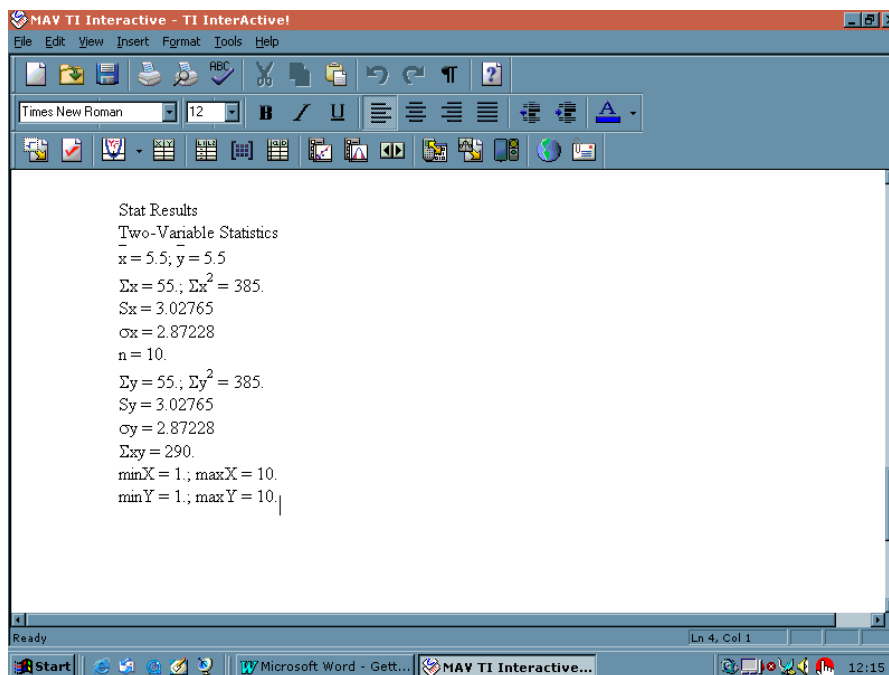Set the **Y List** to **L2**
Click on **Calculate**

In the **Title** box, enter **Stat Results**
Keep all of the boxes ticked
Click on **Save Results**

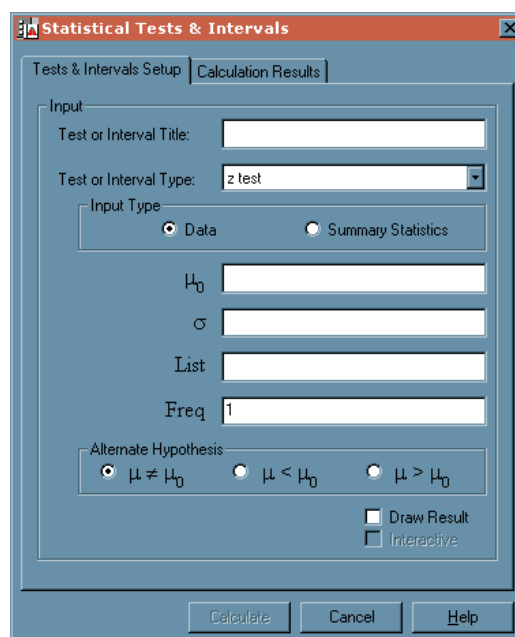The results should now appear in the document

Stat Tests & Intervals Tool

Click on the **Stat Tests & Intervals Tool** button

This dialogue box allows you to enter results for **z tests**. Experiment with entering values.
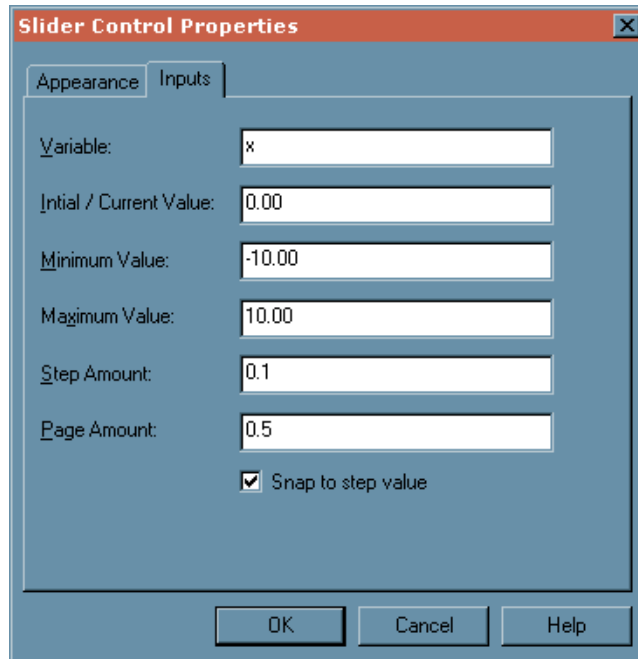
Slider Control

Click on the **Slider Control** button

In the **Variable** box, enter **x**
Press **Enter** or click on **OK**

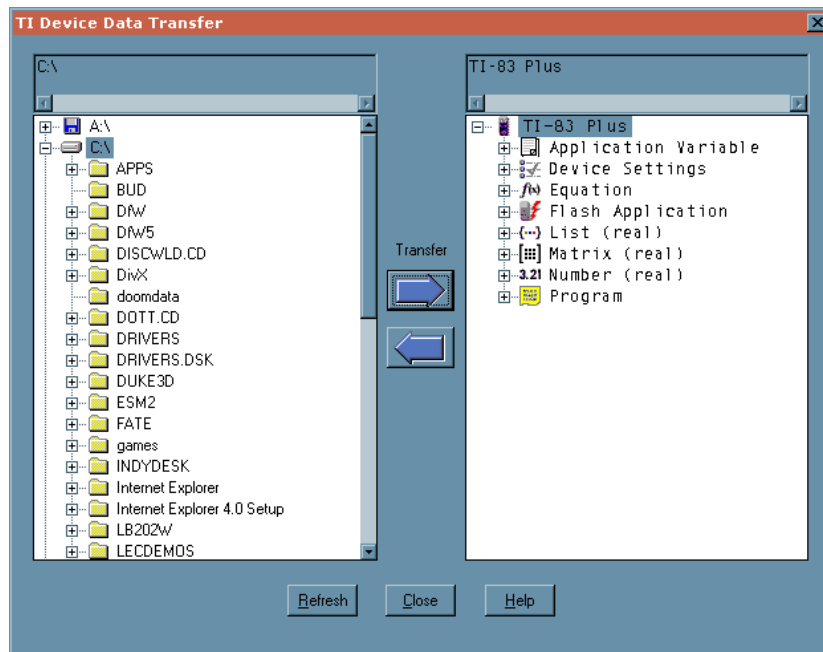This will produce a slider for the variable **x** that can be adjusted on the screen

TI Device Data Transfer

Click on the **TI Device Data Transfer** button

If you have a TI Device connected, you can import data to your computer

This screen appeared when the computer was connected to a TI-83+

You can also import and export data from the **File** menu of the **Data Editor** that appears when creating objects such as lists, matrices and spreadsheets.

Screen Capture

If you are connected to a TI device, click on the **Screen Capture** button
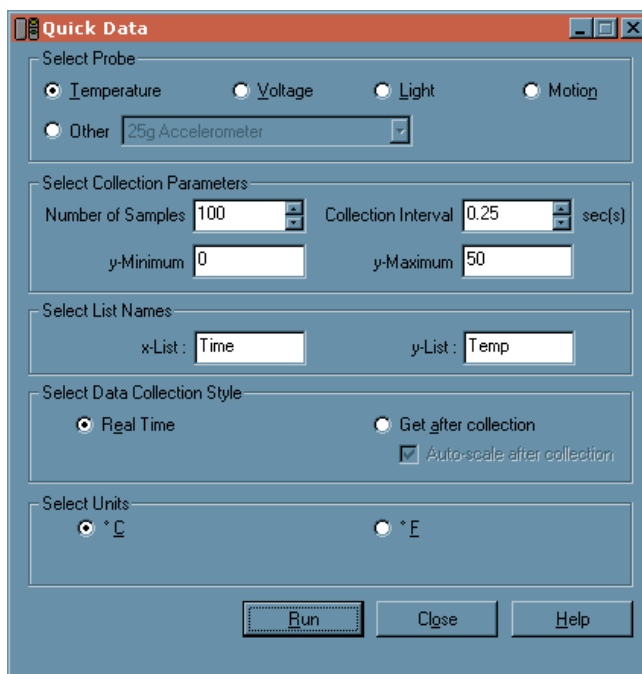

The following lists were captured from the screen of a TI-83+ that was connected to the USB port of the computer

Quick Data Tool

Click on the **Quick Data Tool** button

This allows you to collect data from a variety of probes using a device such as a Computer Based Laboratory (CBL) or a LabPro.

Web Browser

Web Browser button

When you click on the **Web Browser** button, you access the www.education.ti.com site. You can navigate to other websites from this screen.

Email Document

Email Document button

When you click on the **Email Document** button, you access the dialogue box for writing emails. The current TI InterActive document is set as the default attachment.