

# Math 251

## Notes for Statistics

### Calculator Instructions for storing and plotting data

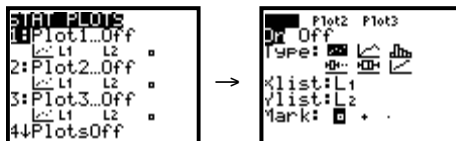
#### 1. Preparing the STAT editor:

**First steps:** If you are plotting points for the first time or you haven't used the Statistics editor for a while, start here.

#### Turning ON the STAT PLOT:

Go to the STAT PLOT menu by pressing **2nd** **Y=** and then press **ENTER** with the cursor on 1:Plot 1 (1)

Turn on the STAT PLOT by pressing **ENTER** with the cursor on ON and highlight the Type and Mark as shown (2)



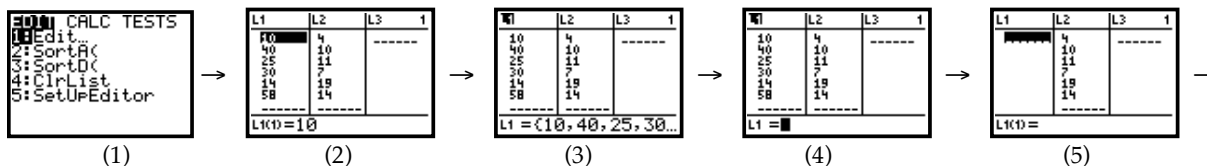
#### Clearing the STAT editor:

To clear the statistics editor start by pressing **STAT** (1)

Then press **ENTER** or the **1** key to get to the statistics editor (2)

Use the up arrow to move to the very top of the list so that L1 is highlighted (3)

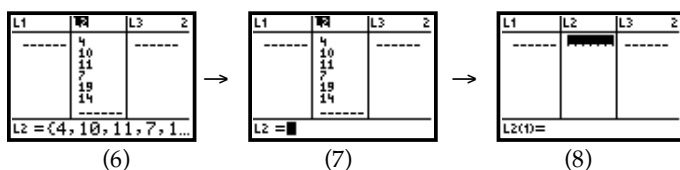
Press the **CLEAR** key (notice that the list on the bottom line disappears) and then the **ENTER** key (4) & (5)



Repeat steps (3) – (5) to clear any other list :

Move the cursor to the very top of list 2 so that L2 is highlighted (6)

Press the **CLEAR** key (notice that the list on the bottom line disappears) and then the **ENTER** key (7) & (8)

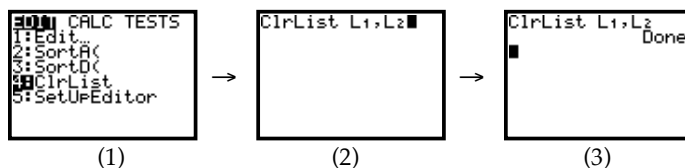


#### Alternatively,

Press the **STAT** button and then **4** (ClrList) (1)

Now type in **2nd** **1** to get L<sub>1</sub>, then type a comma **,** and follow it with **2nd** **2** to get L<sub>2</sub>, (etc.) (2)

then press **ENTER** (3)



## 2. Entering Data and Graphing:

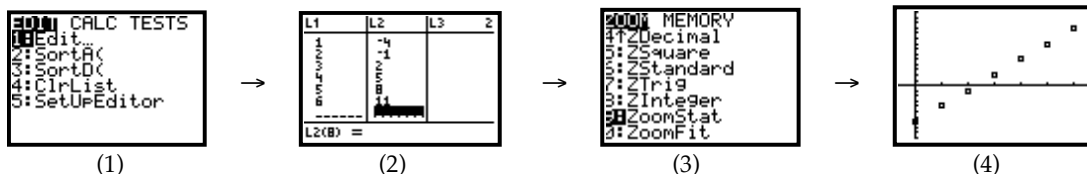
**Example:** Enter the table below in the statistics editor:

$x$	0	1	2	3	4	5	6
$y$	-7	-4	-1	2	5	8	11

To put data into the statistics editor: Press the **STAT** button and then **ENTER** with the cursor on EDIT (1)

Begin entering data by putting  $x$  values in  $L_1$  (pressing **ENTER** after each number) and  $y$  values in  $L_2$  (2)

Go to the **ZOOM** menu and press **9** (Zoom Stat) and the graph will follow. (3) & (4)



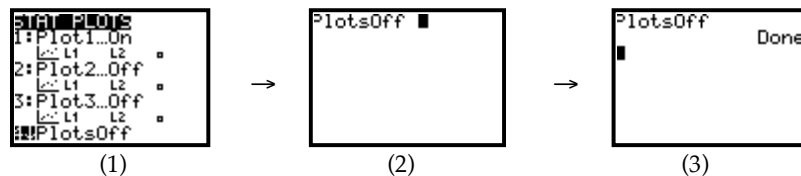
## 3. Turning Plots Off\*:

If you don't want to keep graphing the stats lists (or if you don't have anything in your stats editor),

Go to the STAT PLOT menu by pressing **2nd** **Y=** (1)

Press **4** (PlotsOff) (2)

and then **ENTER**. (3)



**OR** Go to the **Y=** screen, arrow up to the top where Plot1 (or 2 or 3) is highlighted and press **ENTER** to turn it off.

\* If you get the following error when you are trying to graph something, follow the instructions above in #5.

