

## **Instructions for performing TI-83 and TI-83plus statistics**

1. Press the yellow **2nd** key and then **QUIT** to get to the home screen.
2. Press the **STAT** key
3. Under the edit menu (EDIT highlighted), Press **1** for *Edit* from the menu.
4. Now you should see three columns with “L1”, “L2”, and “L3” across the top. If there is data in any of the columns you need to clear it by highlighting the “L1”, “L2”, and/or “L3” with your directional keys. Once the column title that you want to clear is highlighted, press the **CLEAR** button and the column will clear once you move the curser. Now use the directional keys to position the highlighted part back to the top of column “L1”.
5. Now enter the data that you want to use. Type the first number and then hit the **ENTER** key to enter the next one and continue this till you have entered all your data in the column.

**Example:** Enter 3, 5, 7, 9, 11 as your data

- Once all the data has been entered, press the **STAT** key again.
6. Now press the right arrow to highlight **CALC**, and then press **1** for *1-Var Stats*.
  7. Now *1-Var Stats* will appear on the screen. Press **ENTER**
  8. Now the screen will show information like below:  
(Use the up and down arrow keys to scroll through all the information)

$\bar{x}$  = this is the average (mean or  $\mu$ ) of the data

$\sum x$  = this is the sum of the data entered

$\sum x^2$  = this is the sum of the terms squared

$Sx$  = this is the sample standard deviation

$\sigma x$  = this is the population standard deviation

$n$  = this is the number of terms that were entered

$\min X$  = this is the lowest number that you entered

$Q1$  = this is the first quartile

$Med$  = this is the median or the second quartile

$Q3$  = this is the third quartile

$\max X$  = this is the largest number that you entered

Example answer:

Your average (mean or $\mu$ ) should be	7
Your sum should be	35
Your terms squared sum should be	285
Your sample standard deviation should be	3.162
Your population standard deviation should be	2.828
Your number of terms entered should be	5
The lowest number you entered was	3
The first quartile is at	4
The median is at	7
The third quartile is at	10
The largest number you entered was	11