

### Exercise # 3

#### How to use calculator to find measures

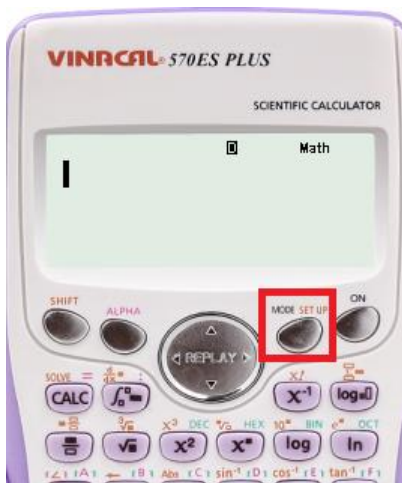
(mean , standard deviation and variance)

**Example:** Find sample mean , SD, variance :

2 , 4 , 6 , 9

#### Step 1: Turn on Statistics mode :

Press **MODE**



Press number **3** to choose “ STAT “



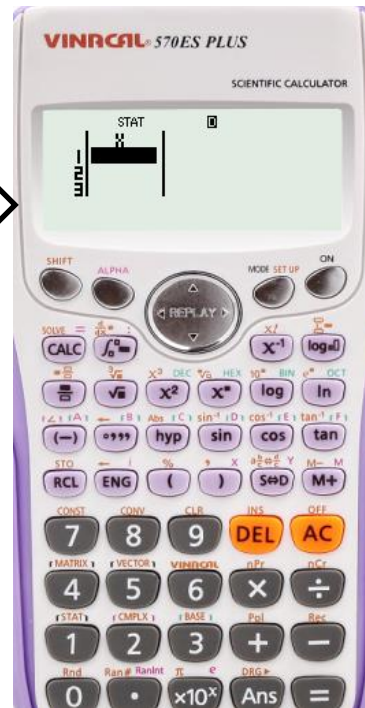
#### Step 2: Enter data:

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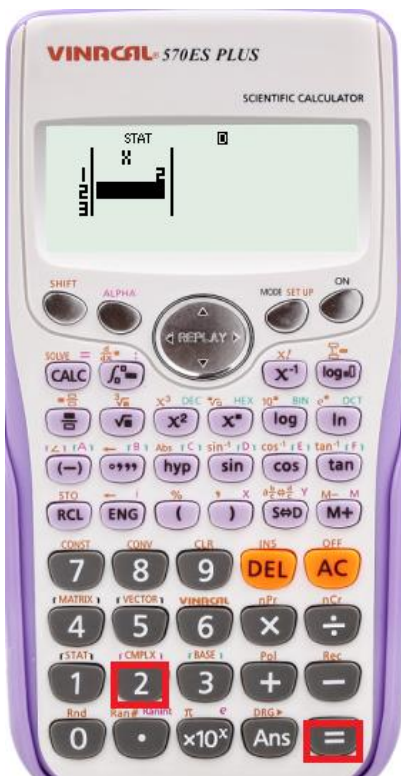
Press **1** to choose "1-VAR"



the list(column) will appear to enter the values

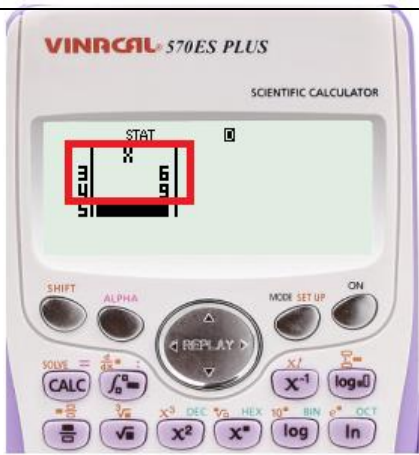


For the first value, press the **number** followed by =



In our example the first value (2) :  
in calculator press number **2** , then press =  
the number will be recorded on the calculator screen

Enter the rest of the data

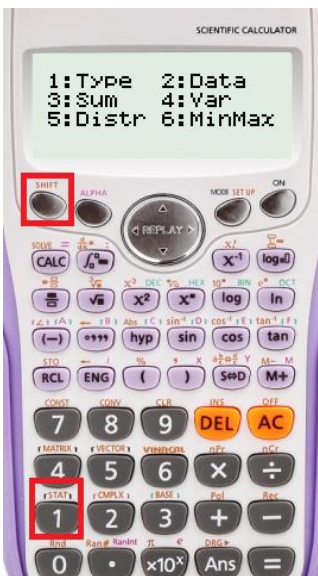


Press **AC** to return to the main screen



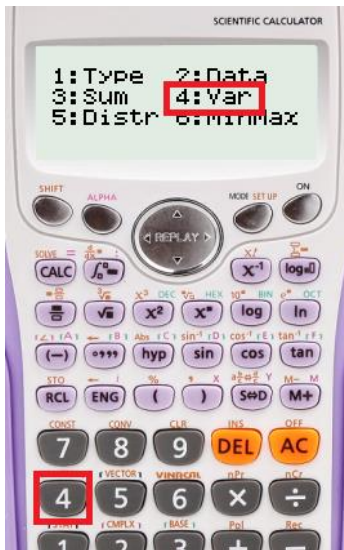
### **Step 3: Calculate Mean and S.D :**

Press **SHIFT** followed by **1**

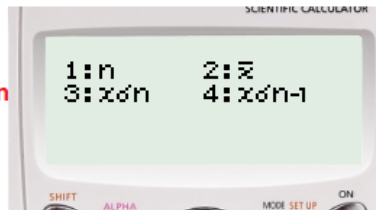


**Kholoud Basalim**

Press **4** to select "Var"



Press **3** to calculate population standard deviation



Press **2** to calculate **mean**

Press **4** to calculate sample standard deviation

To find variance : square the value of SD

press the square button  , then Equal 

the results of our example :

**mean:**



**sample SD:**



**variance:**

