

Testing for Normality with a TI graphing Calculator

Consider the data set 9.7, 93.1, 33.0, 21.1, 81.4, 51.1, 43.5, 10.6, 12.8, 7.8, 18.1, 12.7.

Produce a Normal Probability Plot

Place the data in L_1 .

Press 2^{nd} $Y =$

1:Plot 1 is highlighted. Press **ENTER**

Make sure **On** is highlighted.

Press **ENTER**


Arrow down and right to highlight the last plot option.

For **Data List:** enter L_1

For **Data Axis:** highlight **X** and press **ENTER**

Press **ZOOM** and then **9**

There is an obvious curve in the normal plot. Hence it looks like our data set is not normally distributed.



```
Plot1 Plot2 Plot3
On Off
Type: L1 L2 L3
      M1 M2 M3
Data List:L1
Data Axis:X Y
Mark: [ ] + .
```



```
ZOOM MEMORY
3:Zoom Out
4:ZDecimal
5:ZSquare
6:ZStandard
7:ZTrig
8:ZInteger
9:ZoomStat
```

