

## CHAPTER 10 - DRAWING SCATTER DIAGRAMS

### TI-84 Plus

Draw a scatter diagram of the following data set:

$x$	0	1	2	3	4	5	6	7	8	9	10	11	12
$y$	0	1	1.4	1	0	-1	-1.4	-1	0	1	1.4	1	0

*Step 1* Enter the  $x$  values into **L1** and the  $y$  values into **L2** .

L1	L2	L3	2
0	0		
1	1		
2	1.4		
3	1		
4	0		
5	-1		
6	-1.4		
L2(1)=0			

*Step 2* Press **2nd** **Y=** (STAT PLOT) **1** and set up **Plot 1** as shown.

Plot1	Plot2	Plot3
On	Off	
Type:		
Xlist:	L1	
Ylist:	L2	
Mark:		

*Step 3* Press **ZOOM** **9:ZoomStat** to draw the scatter diagram with an appropriate window. The data appears to exhibit periodic behaviour.

