

TRANSFORMING FIGURES

Graph the figure with coordinates..

1. STAT and 1: Edit
Enter x coordinates in L1
Enter y coordinates in L2

x	y
1	2
4	5
10	1
15	6
10	10
4	7
1	10
1	2

2. Turn on STAT PLOT 1
Select LINE GRAPH

Xlist: L1

Ylist: L2

Mark: .

3. Set WINDOW

Xmin=-15

Xmax=15

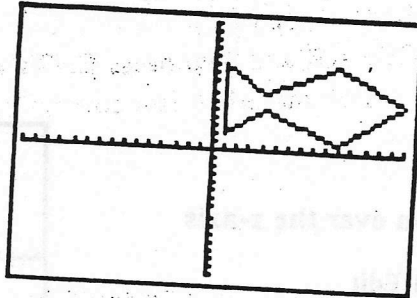
Xscl=1

Xmin=-15

Ymax=15

Yscl=1

Xres=1



4. GRAPH

TRANSLATIONS

Create a horizontal slide of left 2 and a vertical slide of up 3.

1. Press STAT and 1:Edit

Cursor on L3 ENTER

$L3 = L1 - 2$

Enter (your new x values will appear in L3)

Cursor on L4 ENTER

$L4 = L2 + 3$

Enter (your new y values will appear in L4)

L2	L3	L4	Z
2	-1	5	
5	2	4	
1	13	9	
10	8	13	
7	2	10	
10	-1	13	
L2(1)=2			