

December Lite



	L1 (x axis)	L2 (y axis)
1	20	15
2	20	12
3	17	10
4	14	12
5	14	15
6	10	16
7	10	13
8	7	13
9	5	15
10	5	10
11	11	10
12	8	6
13	12	8
14	12	4
15	15	8
16	20	8
17	25	10
18	28	12
19	28	15
20	26	18
21	23	18
22	20	15
23	20	34
24	17	32
25	17	34
26	19	37
27	17	40
28	15	37
29	17	34
30	17	32
31	14	32
32	14	15

TI-73 Graphing Calculator

Press **WINDOW**: Set the following.

Xmin = 0
Xmax = 40
 ΔX = (skip this one)
Xscl = 2
Ymin = 0
Ymax = 40
Yscl = 2

Prepare the plot.

- Press **2nd**, and **Y=** (PLOT)
Number one should be highlighted.
- Press ENTER.
- Highlight On
- Down arrow, right arrow to the Line Graph
- Press ENTER, arrow down.
- Xlist should say L1 and Ylist should say L2.
- Arrow down to Mark.
- Arrow right, highlight the **dot**

Press ENTER

Enter the data.

- Press **LIST** this is where we will enter data
- Enter the domain values (x's) in L1.
- Enter the range values (y's) in L2.
- Make certain the values are in order and that the x and y values correspond.

After the coordinate points are entered, press **GRAPH**

LITE	Transformation	Result
(x, y)	Right 3	$(x + 3, y)$
(x, y)	Down 2	
(x, y)	Left 4 and up 1	
(x, y)	Vertical stretch of 3	
(x, y)	Horizontal shrink of $\frac{1}{2}$	

Draw "Lite" using the rule $(2x, 2y)$.

Draw "Lite" using the rule $(.5x, .5y)$

Draw "Lite" using the rule $(x, 2y)$.