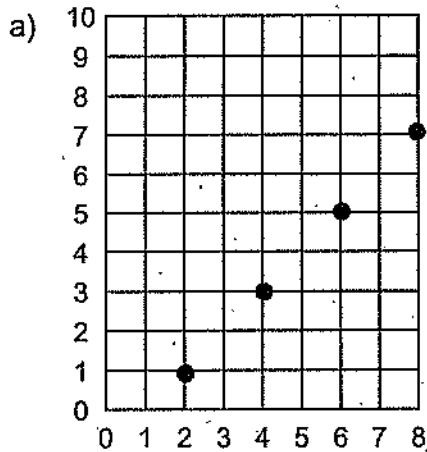
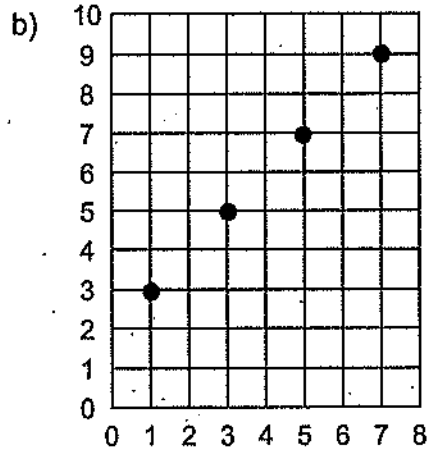


# PA8-31: Graphs

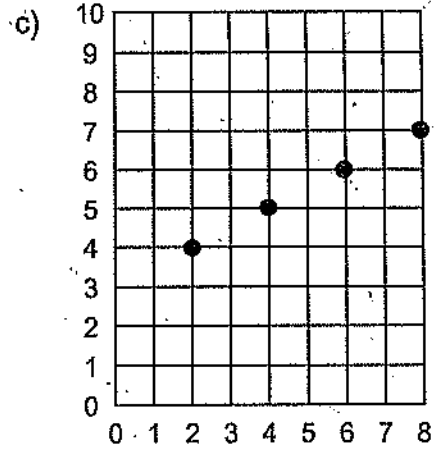
1. For each set of points, write a list of ordered pairs, and then complete the T-table:



Ordered Pairs	First Number	Second Number
(2, 1)	2	1
(4, 3)	4	3
(6, 5)	6	5
(8, 7)	8	7

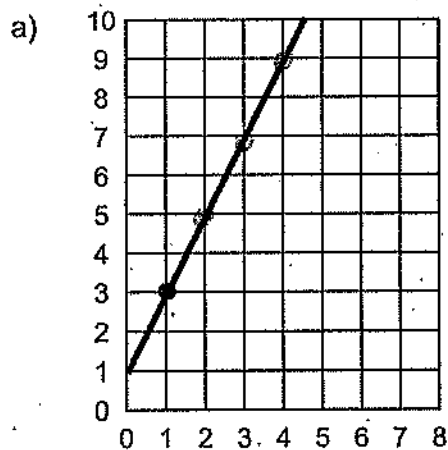


Ordered Pairs	First Number	Second Number
(1, 3)	1	3
(3, 5)	3	5
(5, 7)	5	7
(7, 9)	7	9

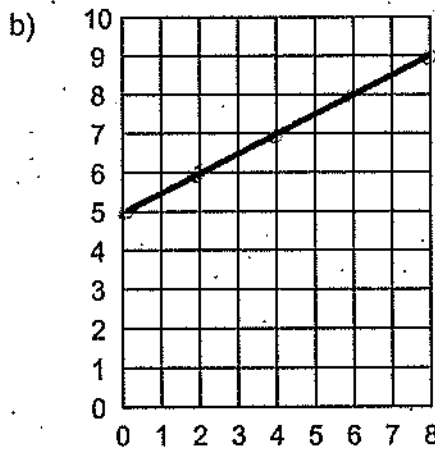


Ordered Pairs	First Number	Second Number
(2, 4)	2	4
(4, 5)	4	5
(6, 6)	6	6
(8, 7)	8	7

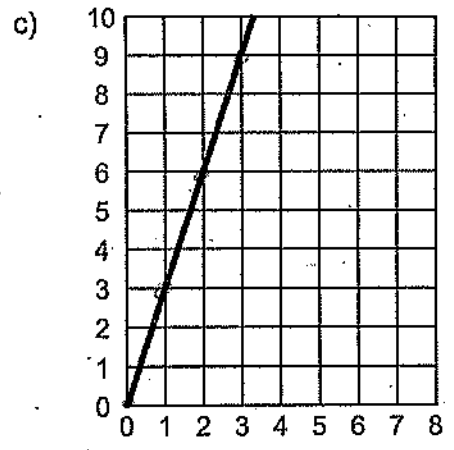
2. Mark 4 points on the line segments. Then write a list of ordered pairs, and complete the T-table:



Ordered Pairs	First Number	Second Number
(1, 3)	1	3
(2, 5)	2	5
(3, 7)	3	7
(4, 9)	4	9



Ordered Pairs	First Number	Second Number
(0, 5)	0	5
(2, 6)	2	6
(4, 7)	4	7
(6, 8)	6	8

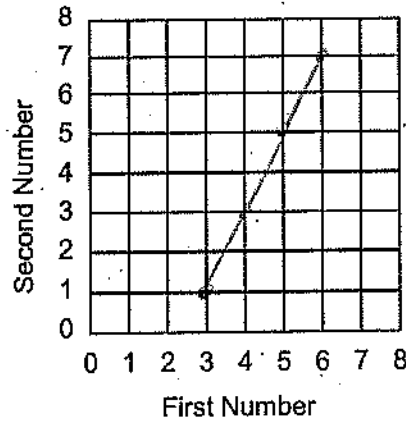


Ordered Pairs	First Number	Second Number
(0, 0)	0	0
(1, 3)	1	3
(2, 6)	2	6
(3, 9)	3	9

3. Write a list of ordered pairs based on the T-table provided. Plot the ordered pairs and connect the points to form a line:

First Number	Second Number
3	1
4	3
5	5
6	7

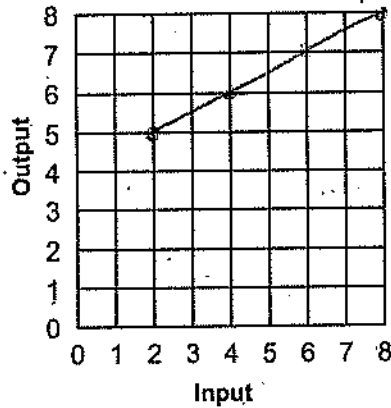
(3, 1)  
(4, 3)  
(5, 5)  
(6, 7)



4. Draw a graph for each T-table (as in Question 1):  
HINT: Make sure you look carefully at the scales in c) and d).

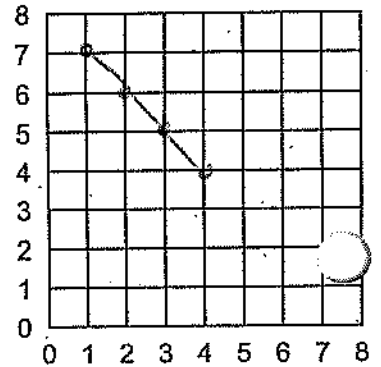
a)

Input	Output
2	5
4	6
6	7
8	8



b)

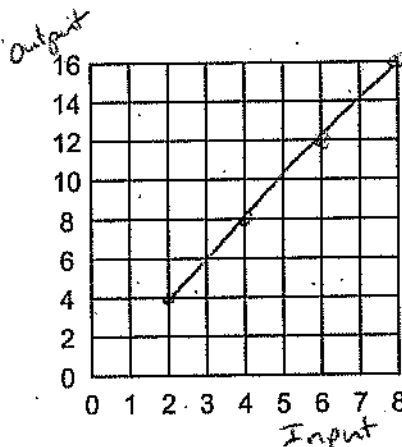
Input	Output
1	7
2	6
3	5
4	4



BONUS:

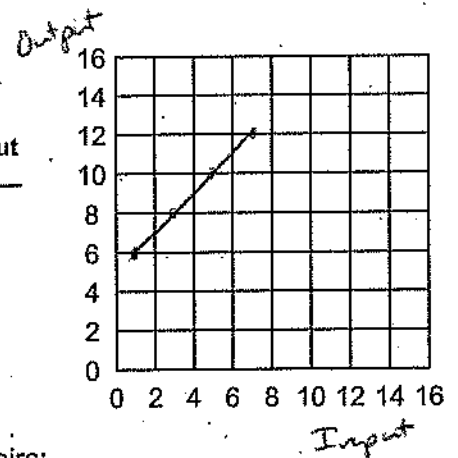
c)

Input	Output
2	4
4	8
6	12
8	16



d)

Input	Output
1	6
3	8
5	10
7	12



5. Draw a coordinate grid on grid paper and plot the following ordered pairs: (1,2), (3,5), (5,8), and (7,11).

6. On grid paper, make a T-table and graph for the following rules:

- a) Multiply by 2 and subtract 1.
- b) Multiply by 4 and subtract 3.
- c) Divide by 2 and add 3.