

Practice: Write the linear equation that represents the pattern of numbers given in the tables.

1.

n	p
0	3
1	4
2	5
3	6
4	7

2.

r	v
0	0
1	4
2	8
3	12
4	16

3.

t	d
0	2.0
1	3.5
2	5.0
3	6.5
4	8.0

4.

t	v
2	8
3	10
4	12
5	14
6	16

5.

x	y
0	0
1	-2
2	-4
3	-6
4	-8

6.

x	y
0	6
1	3
2	0
3	-3
4	-6

7.

x	y
-5	0
-4	-1
-3	-2
-2	-3
-1	-4

8.

x	y
-4	-10
-2	-4
1	5
4	14
5	17

9.

x	y
-4	5
-2	4
0	3
2	2
4	1

10.

x	y
-2	-3.28
-1	0.14
0	3.00
1	6.14
2	9.28

Bonus (up to 5 Marks on test)! Write the non-linear equation based on the pattern given in each:

11.

n	t
-2	1
-1	-2
0	-3
1	-2
2	1
3	6

12.

n	t
1	2
2	6
3	12
4	20
5	30

13.

n	t
-2	-6
-1	-12
1	12
2	6
3	4

14.

n	t
16	0
9	-1
4	-2
1	-3
0	-4

15.

n	t
1	1
2	3
3	7
4	15
5	31

Results of playing the Tower of Hanoi game:
<http://www.dynamicdrive.com/dynamicindex12/towerhanoi.htm>