

NAME _____

Writing Equations from Patterns

Write an equation for each relation. Be sure to show your work!!!

1.

x	1	2	3	4	5
y	5	7	9	11	13

2.

x	-3	-2	-1	0	1	2	3
y	14	10	6	2	-2	-6	-10

3.

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

4.

x	-3	-2	-1	0	1	2	3
y	9	6	3	0	-3	-6	-9

5.

x	-3	-2	-1	0	1	2	3
y	3	2	1	0	-1	-2	-3

6.

x	-6	-4	-2	0	2	4	6
y	-5	-4	-3	-2	-1	0	1

7.

x	1	2	3	4	5
y	5	10	15	20	25

8.

x	-2	-1	1	2	4
y	13	12	10	9	7

9.

x	0	6	12	18	24
y	-2	0	2	4	6

10.

x	1	2	3	4	5
y	1	4	7	10	13

11.

x	-4	-2	0	2	4
y	-11	-3	5	13	21

12.

x	-4	0	4	6	8
y	26	18	10	6	2

Write an equation and complete the table for each relation.

13.

x	1	2	3	4	5
y	12	24	36		

14.

x	-4	-2	0	2	4
y	-2	-1			2

15.

x	-3	-1	1	2	4
y	18			-7	-17

16.

x	-2	0	2	4	6
y			2	3	4