

Wisdom Lane Middle School
Name: _____
Teacher: Mr. Tomeo

Homework #75

Date: _____
Period: _____

Writing Functions

Using **y as the output** and **x as the input** write a function that is described in each **sentence** or **table**

1. The output is 3 more than the input.

2. The output is 5 less than 4 times the input.

3. The output is the square of the input.

4. The output is the input cubed.

5. The output is one-half the input.

6. The output is the input plus 7.

7. The output will be one-third of the input minus 8.

8. The output equals the input.

9. The output is the negation of the input plus 4.

10. If you square the input and subtract 36 you will get the output.

11.

x	-3	-2	-1	0	1	2	3
y	9	4	1	0	1	4	9

13.

x	0	1	2	3	4	5	6
y	5	6	7	8	9	10	11

12.

x	y
10	32
11	35
12	38
13	41
14	44
15	47

14.

Input-Output Table

x	y
1	7
3	11
5	15
20	45