

NAME: _____

1. Select the rule that describes the function illustrated in the table below.

Input	1	2	3	4
Output	5	7	9	11

- [A] $2x + 3$ [B] $x + 4$
[C] $3x - 1$ [D] $4 - x$

2. Write a function that describes the input/output table below.

Input	Output
n	$f(n)$
-2	1.5
-1	2.5
0	3.5
1	4.5

- [A] $f(n) = n + 2.5$ [B] $f(n) = 3.5 - n$
[C] $f(n) = n + 0.5$ [D] $f(n) = n + 3.5$

3. Write a function rule that describes the input/output table below.

Input	Output
n	$f(n)$
-2	6.6
-1	5.6
0	4.6
1	3.6

- [A] $f(n) = n + 6.4$ [B] $f(n) = n - 4.6$
[C] $f(n) = n - 4$ [D] $f(n) = 4.6 - n$

4. Which function is modeled by the table?

x	-5	0	1	3
y	-9	1	3	7

- [A] $f(x) = -x + 4$ [B] $f(x) = 3x$
[C] $f(x) = 2x + 1$ [D] $f(x) = x - 3$
[E] $f(x) = x + 3$

5. Complete the table. Then use the variables to write a formula.

i	33	36	39	42
j	132	144	156	

- [A] $171, j = 4i + 3$ [B] $210, j = 5i$
[C] $172, j = 4i + 4$ [D] $168, j = 4i$

6. Write a rule for the following function represented by the table.

n	3	4	5	6
$f(n)$	1	0	-1	-2

7. From the input/output table, find the equation for the function.

Input, x	1	2	3	4	5
Output, y	9	12	15	18	21

8. From the input/output table, find the equation for the function.

Input, x	1	2	3	4	5
Output, y	0	5	10	15	20

[1] A

[2] D

[3] D

[4] C

[5] D

[6] $f(n) = 4 - n$

[7] $y = x$