Math 8R

Name _____
Date _____

How Do We Write An Equation From A Table Of Values?

1) Provided the table of values, which equation correctly represents the relationship between x and y.

x	y
2	1
3	3
5	7
7	11

a) $y = 2x-3$ b) $y = x+2$ c) $y = 2x + 3$ d) $y = 2x + 2$

---

2) Provided the table of values, write an equation which correctly represents the relationship between x and y.

x	y
1	5
2	6
3	7
4	8

3 Complete the table below with the missing values for y.

x	y
−1	1
0	4
1	7
2	10
3	
4	

Based on the data in the table, write the equation that represents the relationship between x and y.

Answer $y =$ _____

4 Complete the table below with the missing values for y.

x	y
−4	14
−3	11
−2	8
−1	5
0	
1	

On the line below, write a function rule that shows the relationship between x and y in the table.

5 The table below shows a relationship between x and y.

x	2	5	6	9
y	6	9	10	13

Which equation shows the relationship between x and y?

A $y = 3x$

B $x = 3y$

C $y = x + 4$

D $x = y + 4$

6 The table below shows a relationship between x and y.

x	y
2	8
4	10
6	12
8	14
10	16

What equation represents the relationship between x and y?

A $y = 2x$

B $y = 4x$

C $y = x + 6$

D $y = 2x + 2$

7 Complete the function table below with the missing values for y.

x	y
1	3
2	7
3	11
4	15
5	
6	

Based on the function table, write a function rule that shows the relationship between x and y.

Answer _____

8 Tony joined a book club. He received 8 free books when he joined. The table below shows the total number of books, n, he had each month, t, since joining the club.

TONY'S BOOKS

Month (t)	Total Number of Books (n)
0	8
1	11
2	14
3	17
4	20

Which equation can be used to find the total number of books, n, Tony will have from the book club after t months?

A $n = 8t$

B $n = 3t$

C $n = 8t + 3$

D $n = 3t + 8$