

Name _____

Homework # _____

Writing Equations from a Table of Data

Matching: Match the table with the equation that represents the relationship between x and y .

1.

x	2	3	4	5	6	7
y	6	9	12	15	18	21

A. $y = 2x$

2.

x	2	3	4	5	6	7
y	5	7	9	11	13	15

B. $y = 3x$

3.

x	2	3	4	5	6	7
y	5	8	11	14	17	20

C. $y = 3x - 1$

4.

x	2	3	4	5	6	7
y	4	6	8	10	12	14

D. $y = 2x + 1$

5. For each table write the equation that represents the relationship between x and y .

A.

x	0	1	2	3	4	5
y	0	4	8	12	16	20

B.

x	0	1	2	3	4	5
y	2	5	8	11	14	17

C.

x	0	1	2	3	4	5
y	-3	1	5	9	13	17

D.

x	1	3	5	7
y	-5	-15	-25	-35

E.

x	0	2	4	6	8
y	2	-6	-14	-22	-30

6. The table below shows Jessica's bank account balance for the past six weeks.

Week	Balance
1	\$52
2	\$67
3	\$82
4	\$97
5	\$112
6	\$127

Using the information from the table, write an equation that represents the balance, b , in Jessica's bank account as a function of the number of week, w . _____

Use your equation or the information in the table to find what Jessica's bank balance will be in Week 9. _____

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

x	y
1	5
2	8
3	11
4	14
5	
6	

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