Period \_\_\_\_\_

## Do Level 1 or Level 2 and ALL BACK PROBLEMS.

### Level 1

## Write the algebraic equation rule for each table.

1.

Input (x)	Output (y)
0	8
2	10
4	12
6	14

2.

Input (x)	Output (y)
10	7
14	11
18	15
22	19

3.

Input (x)	Output (y)
18	6
15	5
12	4
9	3

4.

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

5.

x	23	24	25	26	27
y	22	23	24	25	26

#### Level 2

# Write the algebraic equation rule for each table.

1.

Input (x)	Output (y)
0	4
1	7
2	10
3	13

2.

Input (x)	Output (y)
1	8
2	10
3	12
4	14

3.

Input (x)	Output (y)
3	1
4	7
5	13
6	19

4.

x	0	1	2	3	4
y	0	1	8	27	64

5.

x	2	4	6	8	10
y	2	4	6	8	10

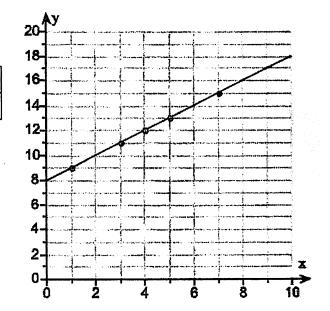
- 6. What is the relationship suggested by the table?
  - O A. Add 4 to each value of B to get A.
  - O B. Multiply each value of A by 4 to get B.
  - O C. Add 4 to each value of A to get B.
  - O D. Multiply each value of B by 4 to get A.

Α	В
22	88
23	92
24	96
25	100
26	104

7. a) Use the graph to complete the table of values for x and y.

	х	1	3	4	5	7
I	у					

b) Write an equation that represents the relationship between x and y.



8. Error Analysis Anna had this table as

part of her homework last night. She had to use it to relate the independent variable x to the dependent variable y. First, she used words and then she wrote an equation. She incorrectly said the value of x times 2 equals the value of y, and that the equation is y = 2x.

х	1	4	5	6
у	2	5	6	7

- a) Describe the relationship in words correctly.
- b) Write an equation that represents the relationship between x and y.

Explain Anna's likely error.

- O A. She considered only the first (x, y) pair, not all four.
- O B. She used the correct number but the incorrect operation.
- $\ensuremath{\mathsf{O}}$  C. She used the correct operation but the incorrect number.
- O D. She formed the correct equation, but did not give the correct description in words.

Period \_\_\_\_\_

# Do Level 1 or Level 2 and ALL BACK PROBLEMS.

#### Level 1

## Write the algebraic equation rule for each table.

1	_
L.	100
	40
	73.5

Input (x)	Output (y)
0	8
2	10
4	12
6	14

2.

Input (x)	Output (y)
10	7
14	11
18	15
22	19

3.

Input (x)	Output (y)
18	6
15	5
12	4
9	3

4.

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

5.

x	23	24	25	26	27
y	22	23	24	25	26

#### Level 2

## Write the algebraic equation rule for each table.

1.

Input (x)	Output (y)	
0	4	
1	7	+)
2	10	+3
3	13	+3

2.

Input (x)	Output (y)	
1	8	1
2	10	1
3	12	-
4	14	

3.

	Output (y)	Input (x)	
. ,	1	3	
+(	7	4	
)+(	13	5	
)+(	19	6	

4.

x	0	1	2	3	4
ч	0	1	8	27	64

5.

x	2	4	6	8	10
y	2	4	6	8	10

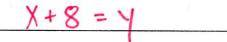
- 6. What is the relationship suggested by the table?
  - O A. Add 4 to each value of B to get A.
  - B. Multiply each value of A by 4 to get B.
  - O C. Add 4 to each value of A to get B.
  - O D. Multiply each value of B by 4 to get A.

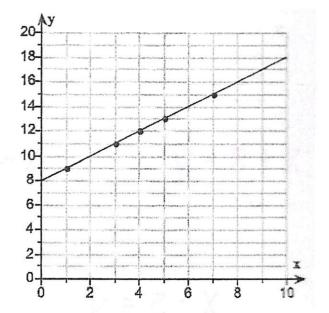
Α			В	
22	•	4	88	
23	•	4	92	
24	•	4	96	
25	•	4	100	
26		ч	104	

7. a) Use the graph to complete the table of values for x and y.

Х	1	3	4	5	7
у	9	11	12	13	15

b) Write an equation that represents the relationship between x and y.





8. Error Analysis Anna had this table as

part of her homework last night. She had to use it to relate the independent variable x to the dependent variable y. First, she used words and then she wrote an equation. She incorrectly said the value of x times 2 equals the value of y, and that the equation is y = 2x.

х	1	4	5	6	
у	2	5	6	7	

a) Describe the relationship in words correctly.

the value of x plus I equals the value of y

b) Write an equation that represents the relationship between x and y.

X + 1 = Y

Explain Anna's likely error.

- A. She considered only the first (x, y) pair, not all four.
- O B. She used the correct number but the incorrect operation.
- O C. She used the correct operation but the incorrect number.
- O D. She formed the correct equation, but did not give the correct description in words.