Name: _____   Date: _____ Class: _____

Writing Equations from a Table Worksheet

y = mx + b   y: dependent/responding variable
x: independent/controlled variable
m: coefficient (of x) or <u>rate</u>, when x is increasing by 1
b: y-intercept or starting value (when x is 0, y is ____)

X	Y
0	3
1	7
2	11
3	15

What is the rate?

What is the starting value?

Write the equation:

X	Y
0	30
1	28
2	26
3	24

What is the rate?

What is the starting value?

Write the equation:

X	Y
0	-4
1	-2
2	0
3	2

What is the rate?

What is the starting value?

Write the equation:

X	Y
0	0
1	6
2	12
3	18

What is the rate?

What is the starting value?

Write the equation:

X	Y
0	
1	
2	
3	

What is the rate?

What is the starting value?

Write the equation:

y = 6x – 2

X	Y
0	
1	
2	
3	

What is the rate?

What is the starting value?

Write the equation:

y =2x + 3

X	Y
0	
1	
2	
3	

What is the rate?

What is the starting value?

Write the equation:

y = -5x + 28

X	Y
0	
1	
2	
3	

What is the rate?

What is the starting value?

Write the equation:

y =3x

Name: _____   Date: _____ Class: _____

Writing Equations from a Table Worksheet

y = mx + b   y: dependent/responding variable
x: independent/controlled variable
m: coefficient (of x) or <u>rate</u>, when x is increasing by 1
b: y-intercept or starting value (when x is 0, y is ____)

Identify if the table is linear or not. If it is, write the equation.

x	y
0	4
1	7
2	10
3	13
4	16

x	y
0	5
1	15
2	25
3	35
4	45

x	y
-2	0
-1	6
0	12
1	18
2	24

x	y
-1	-4
0	0
1	4
2	8

x	y
-1	-3
0	-1
1	2
2	5

x	y
-3	7
-2	5
-1	3
1	-1

x	y
2	12
3	9
4	6
5	3

x	y
1	3
3	6
5	9
9	3

x	y
0	0
2	4
4	8
6	12

x	y
-3	10
-1	4
1	-2
3	-8

x	y
2	5
4	10
6	15
8	20

x	y
-3	1
-1	7
1	13
3	18

Writing Equations from a Table Worksheet

y = mx + b   y: dependent/responding variable
x: independent/controlled variable
m: coefficient (of x) or <u>rate</u>, when x is increasing by 1
b: y-intercept or starting value (when x is 0, y is ____)