

Name: _____

Date: _____

Find an equation from a Table

Integrated Algebra

Writing equations of lines from TABLES

Step 1: identify "m" or _____

- $\frac{\text{rise}}{\text{run}}$ or $\frac{\Delta y}{\Delta x}$ or $\frac{y_2 - y_1}{x_2 - x_1}$
- What is the direction of line? _____

Step 2: identify "b" or _____

- You can find "b" where ____ equals _____

Step 3: use $y = mx + b$, (general form for equation of a line) to create a rule

#1) Use the steps from above to come create an equation of the line. Make sure to show all of your work.

Step 1: _____

Step 2: _____

Step 3: _____

x	y
0	5
1	7
2	9
3	11

#2) Use the steps from above to come create an equation of the line. Make sure to show all of your work.

Step 1: _____

Step 2: _____

Step 3: _____

x	y
-6	-3
-3	-6
0	-9
3	-12

#3) Use the steps from above to come create an equation of the line. Make sure to show all of your work.

Step 1: _____

Step 2: _____

Step 3: _____

x	y
-2	1
0	2
2	3
4	4

#4) Use the steps from above to come create an equation of the line. Make sure to show all of your work.

Step 1: _____
Step 2: _____
Step 3: _____

x	y
0	4
1	6
2	8
3	10

#5) Use the steps from above to come create an equation of the line. Make sure to show all of your work.

Step 1: _____
Step 2: _____
Step 3: _____

x	y
1	12
2	9
3	6
4	3

#6) Use the steps from above to come create an equation of the line. Make sure to show all of your work.

Step 1: _____
Step 2: _____
Step 3: _____

x	y
4	14
8	10
12	6
16	2

#7) Use the steps from above to come create an equation of the line. Make sure to show all of your work.

Step 1: _____
Step 2: _____
Step 3: _____

x	y
-4	2
-3	3
-2	4
-1	5

#8) Use the steps from above to come create an equation of the line. Make sure to show all of your work.

Step 1: _____
Step 2: _____
Step 3: _____

x	y
-5	10
-10	20
-15	30
-20	40