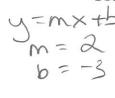
ↀ

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.



	1-0		2
1 6	7-2	X -	5

х	У
(2	1)
(3 ,	3)
5	7
7	11)

(a)
$$y = 2x-3$$
 (b) $y = x+2$
(2, 1) (3, 3)
 $X_2 Y_2$
 $M = \frac{3}{3-2}$ $M = \frac{2}{1}$
 $M = 2$

c)
$$y = 2x + 3$$
 d) $y = 2x + 2$

$$y = mx + b$$

$$1 = (2)(2) + b$$

$$1 = 4 + b$$

$$-4 - 4$$

$$1 = 4$$

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

· · · · · · · · · · · · · · · · · · ·	
x	У
1	5
2	6
3	. 7 -
4	8

$$(1.5)(2.6)$$

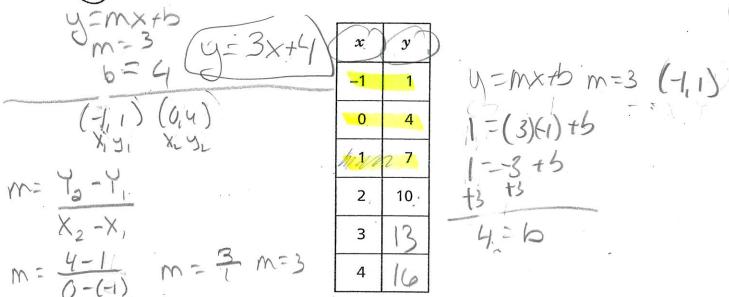
$$x_1 y_1 x_2 y_2$$

$$m = \frac{4^2 - 4^1}{x_2 - x_1}$$

$$m = \frac{6 - 5}{2 - 1}$$

$$y = mx + b$$
 $m = 1$ (1,5)
 $5 = 11) + b$
 $5 = 1 + b$
 $4 = b$

Complete the table below with the missing values for y.



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

Answer
$$y = \frac{3x+4}{}$$

Complete the table below with the missing values for y.

$$y = m \times tb$$

$$m = -3$$

$$b = 1$$

$$(-4, 14) (-3, 11)$$

$$x = y$$

$$-4 = 14$$

$$-3 = 11$$

$$-2 = 8$$

$$-1 = 5$$

$$m = \frac{4^{2} - 4}{X_{2} - X_{1}} \qquad m = \frac{11 - 14}{-3 - (-4)} \qquad m = \frac{-3}{7} \qquad 0 \qquad 2$$

$$m = -3 = 11$$

$$m = -3 = 11$$

$$m = -3 = 11$$

$$m = -3 = 0$$

$$m = -1 = 0$$

$$m = -3 = 0$$

$$m = -1 = 0$$

$$m = -3 = 0$$

$$m = -1 =$$

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

Ografian (y=-3x+2)



The table below shows a relationship between x and y.

M	- Service -	1
0	-(4

	x	2	5.	6	9
A. Commission of the Commissio	y	6	9	10	13

Which equation shows the relationship between x and y?

$$\mathbf{A} \qquad y = 3x$$

$$B \qquad x = 3y$$

C
$$y = x + 4$$

D
$$x = y + 4$$

$$M = \frac{19-6}{5-2}$$

The table below shows a relationship between x and y.

$$y = Mx + b$$
 $m = 1$
 $b = 7$
 $2.8)(4.10)$

X	У
2	8
4	10
6	12
8	14
10	16

What equation represents the relationship between x and y?

A v = 2x

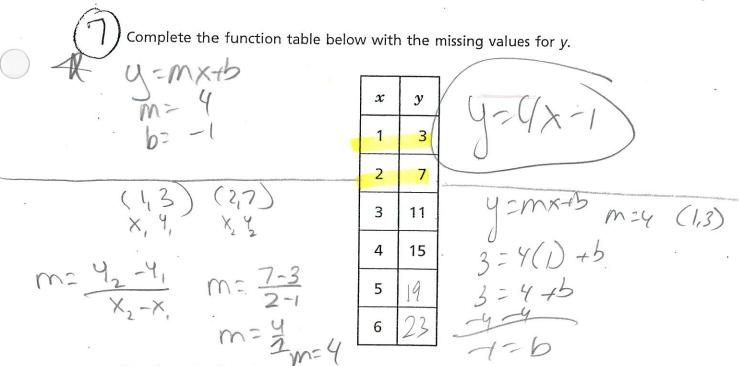
$$\mathbf{A} \quad y = 2x$$

$$\mathbf{R} \quad \mathbf{v} = 4\mathbf{x}$$

$$C y = x + 6$$

D
$$y = 2x + 2$$

Go On



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.

(0,9) (1,11)

1-9 = 3=3

17/12/10 12/12/10 12/12/10

8=0+b

		W
XTONY'S	BOO	ΚŠ

		S
Month (t)	Total Number of Books (n)	6=8
-0	8	. 21.
_11	11	U = 3X +
2	14	12-26-
3	. 17	11-20
4	20	A STATE OF THE PROPERTY OF THE

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

A
$$n = 8t$$

$$\mathbf{B} \qquad n = 3t$$

$$-\mathbf{C} - p = 8t + 3$$

D
$$n = 3t + 8$$