CAASPP Sprint: Functions & Graphing (2024)

Learning Target

I can identify, write, evaluate and graph functions. (F)

Write a linear equation for each table.

a.

X	0	3	6	10
y	2	8	14	22

b.

•	X	0	3	6	10
	У	20	8	-4	-20

c

X	2	4	6	8
y	5	8	11	14

d.

X	0	3	6	9
У	20	11	2	-7

Determine if the table represents a linear relationship, if yes, then write an equation in slope intercept form.

Writ ing & Usin g Equ atio

ns

a.	X	2	4	6	8	10	12	14
	У	0	1	2	3	4	5	6

b.	X	1	2	3	4	5	6	7
	V	0	3	8	15	24	35	48

Use the equation to complete the table.

y = -5x + 4

х	v
AST (2)	
3	Ш
5	
6	

Identify the rate of change (slope) and the initial value (y-intercept)

Equation	Rate of Change	Initial Value
y = -5x + 4		
y = -8 + 7t		
y = -2a		
y = 6		

Determine whether or not each point lies on the line of the given equation.

A.
$$(-2, -2)$$
 $y = 3x + 4$

$$y = 3x + 4$$

B.
$$(-5, -3)$$
 $y = 2x + 7$

Veri

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Inte

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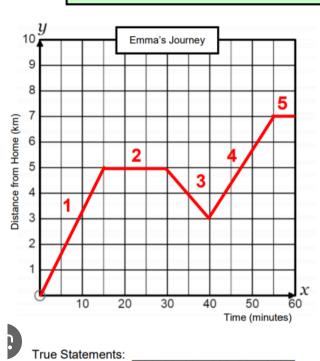
$$v = 2x + 7$$

c.
$$(-2, -1)$$
 $y = \frac{3}{4}x + \frac{1}{2}$

Determine whether or not each point lies on the graph of 6x + 3y = 15

G.
$$(3, -1)$$

distance time graphs true or false



- During stage 1, Emma travelled at 3 km/minute.
- Emma was stationary during stage 2.
- The graph shows that Emma reached the top of two hills.
- Emma travelled 4000m during Stage 4.
- The slowest part of Emma's journey was during stage 3.
- Emma's average speed over the whole journey was 7 km/h.
- G. Emma was travelling faster during stage 4 than stage 1.
- When she was 5 minutes into her journey, Emma had travelled 3 km.

Com pari ng Fun ctio	Which of these linea rate of change? FUNCTION A: y = 3x + 2	FUNCTION B: X	Which function has the greatest rate of change? A) B) X Y O Q I III II 2 I3 3 IS 4 I7 C) y=-3x+10 A) Function A
ns			B) Function B
			C) Function C
			D) They have the same rates of change.