

READY TO GO ON?

Title Course 1
Chapter 11
Section 10A

11-9 Tables and Functions

1. Write an equation for a function in terms of x that gives the values shown in the table for y .

x	1	2	3	4
y	4	9	14	19

- A** $x = 5y - 1$
B $y = 5x - 1$
C $5x = y - 1$
D $y = x + 11$

[Answer: B]

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2. Use the table to fill in the missing value for y .

x	2	4	5	6
y	11	19	?	27

[Answer: 23]

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3. Use the table to fill in the missing value for y .

x	1	2	4	6
y	4	10	22	?

[Answer: 34]

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4. Write an equation to describe this statement: the distance Roger travels (d) is 30 miles less than twice the distance to his mother's house (m).

A $d = 2m - 30$

B $d = 2m + 30$

C $m = 2d - 30$

D $m = 2d + 30$

[Answer: A]

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5. Ellen bicycles at a constant speed. She covers 2 miles in 8 minutes the first day, 5 miles in 20 minutes the second day, and 9 miles in 36 minutes on the third day. Identify the function that represents her daily mileage, where m is the number of miles covered each day, and t is the number of minutes spent riding.

A $m = \frac{4}{t}$

B $t = \frac{4}{m}$

C $m = 4t$

D $m = \frac{t}{4}$

[Answer: D]