

QUESTION 2



Complete the description of this relation.
Drag and drop your answers to correctly complete the sentences.

The relation is a function that

is not one-to-one

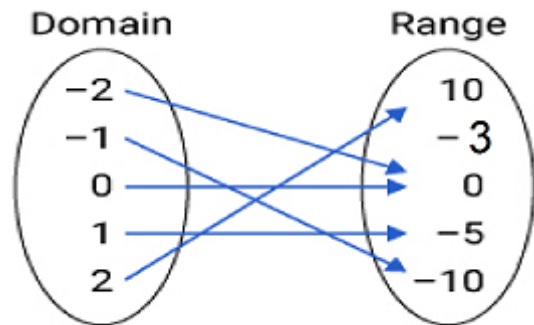


. Also,

it is not an onto function



.



it is an onto function

is one-to-one

QUESTION 4



Which best describes this relation?

$\{(-3, -3), (-2, 3), (-1, -2), (1, 1), (1, 3), (3, 1)\}$



The relation is a function that is both one-to-one and onto.



The relation is a function that is one-to-one.



The relation is a function that is onto.



The relation is not a function.



QUESTION 6



What is the best description of this relation?

x	9	8	7	6	5
y	5	6	7	8	9

Select the correct answer from the drop-down menu.

The relation is

a function that is onto and one-to-one ✓ ▼

QUESTION 8



Which of the following describe the relation between the x -values and y -values shown in this table? Select all that apply.

x	-8	-3	0	4	
y	-4	0	2	9	



The relation is a function which is not onto.

☒

9



x	-5	-3	0	2	5
y	-9	-6	-2	1	4



 $\left. \vphantom{\int} \right\}$

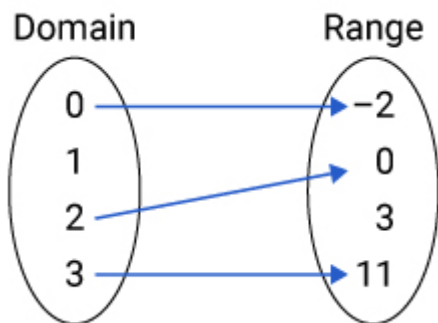
QUESTION 15



The mapping for this one-to-one function is not complete.

Complete the mapping of this one-to-one function. Then, choose the ordered pairs that belong to this function.

Select all that apply.

☐

(3, 1)

☒

(1, 3)

☒

(3, 11)

☐

(2, 3)

☐

(11, 3)

☒

(2, 0)

☐

(-2, 0)

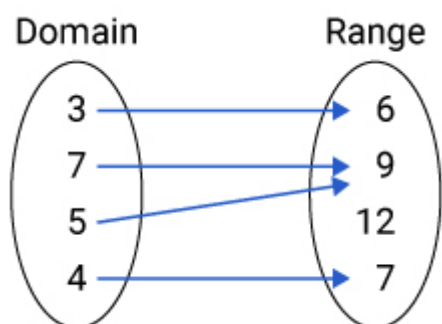


(0, 2)

QUESTION 17



Which best describes this mapping?



The mapping is a relation that is a function, and it is one-to-one.



The mapping is a relation that is a function, but it is not one-to-one.



The mapping is a relation that is not a function.

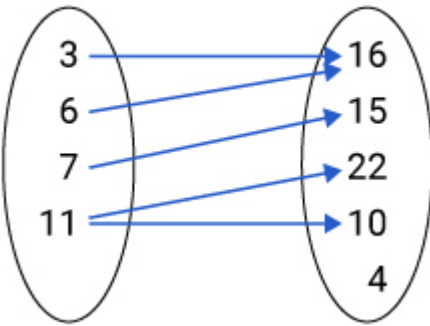


The mapping is not a relation.

QUESTION 19



انسخ الرابط وحطه ف قوقل
<https://t.me/+CbbW8n6Up6U50GE8>



- ☒ No; the domain value 11 is mapped to 2 different range values. ✓

☐ No; no domain value maps to 4.

☐ Yes; every value in the domain is mapped to an element in the range.

☐ No; there are 2 domain values mapped to 16.

Which relations are functions?
Select all that apply.

- ☐ $\{(1, 2), (1, 3), (1, 4), (1, 5)\}$

☐ $\{(-12, 5), (-18, 7), (-11, 5), (-18, 6)\}$

☒ $\{(25, 20), (20, 15), (15, 10), (10, 5)\}$



$\{(10, 100), (6, 60), (-10, 100), (-6, 60)\}$



$\{(28, 56), (30, 60), (30, -60), (28, -56)\}$



$\{(-6, 1), (-5, 1), (-4, 1), (-3, 1)\}$



QUESTION 23



How do you know this relation is not a function?

$\{(0, 5), (2, 10), (4, 15), (-2, 10), (0, 0)\}$

Enter your answers in the spaces provided.

The element

0



, in the domain, is mapped to the

elements, in increasing order,

0



and

5



in the range.

QUESTION 25



State the domain and range of the relation

$\{(1, 1), (1, 4), (2, 4), (4, 5), (6, 1)\}$

Drag and drop your answers to correctly complete the sentences.

The domain of this relation is $\{1, 2, 4, 6\}$ ✓

The range of this relation is $\{1, 4, 5\}$ ✓

The relation is not ✓ a function.

$\{1, 4, 5, 6\}$

$\{2, 4, 5\}$

is

$\{1, 6\}$

$\{1, 2, 4, 5, 6\}$

QUESTION 27



What is the domain of the following relation?

$\{(-10, -9), (-5, -4), (0, 1), (5, 6), (10, 11)\}$

☐ $\{-9, -4, 1, 6, 11\}$

☒ $\{-10, -5, 0, 5, 10\}$ ✓

☐ $\{-10, -9, -5, -4, 10\}$

☐ $\{-10, 0, 10\}$

QUESTION 29



Determine if this relation is a function and state its domain and range.

$\{(-2, -3), (-1, -1), (0, -3), (1, 2), (2, 0)\}$

Select the correct answers from the drop-down menus.

The relation is a function ✓ ▼.

The domain is $\{-2, -1, 0, 1, 2\}$ ✓ ▼.

The range is $\{-3, -1, 0, 2\}$ ✓ ▼.