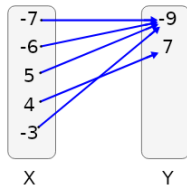




Determine the range of a function from a graph

1

What is the definition of 'Range' for this function?



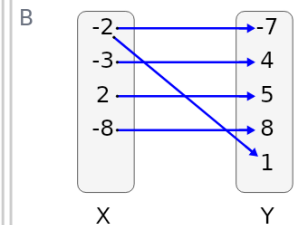
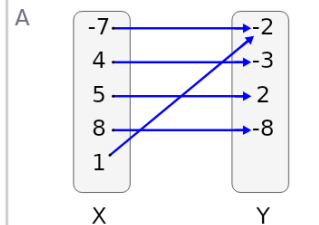
A The set of all possible X values

B The set of all possible Y values

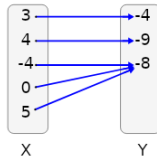
2

Which relation has this range?

$$R : \{-2, -3, 2, -8\}$$

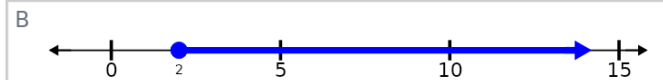
**3**

What is the range for this function?

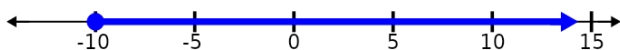
A $R : \{-4, -9, -8\}$ B $R : \{3, 4, -4, 0, 5\}$ **4**

Which number line shows this range?

$$\{Y \in \mathbb{R} | 2 \leq Y\}$$

**5**

What inequality describes the range on this number line?

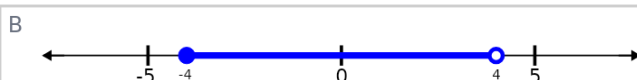
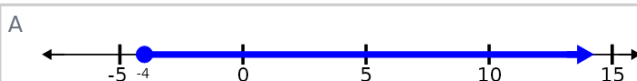
A $-10 \leq Y$ B $-\infty < Y < \infty$ **6**

What interval describes the domain on this number line?

A $[-9, 5]$ B $(-\infty, \infty)$ **7**

Which number line shows this domain?

$$[-4, 4)$$

**8**

What interval describes this range?

$$\{Y \in \mathbb{R} | Y \leq 4 \text{ or } 7 < Y\}$$

A $(-\infty, 4] \cup (7, \infty)$ B $[-4, 4] \cup [7, \infty)$



Determine the range of a function from a graph

9

What interval describes the range on this number line?



A

$$[-2, 1] \cup [3, 10]$$

B

$$(-2, 1) \cup (3, 10)$$

10

Which number line shows this range?

$$(3, 6] \cup (7, \infty)$$

A



B

**11**

Min: 1

A

$$[-4, \infty)$$

B

$$[1, \infty)$$

C

$$[1, -4]$$

D

$$(-\infty, 1.5]$$

12 $(-3, -3)$, opening up

A

$$(-\infty, -3]$$

B

$$[-3, \infty)$$

C

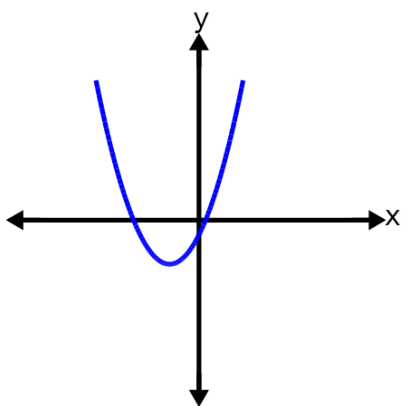
$$[-3, -3]$$

D

$$[0.5, -3]$$

13

What would the range of this function be?



A

$$[-3, \infty)$$

B

$$[3, \infty)$$

C

$$(-\infty, -3]$$