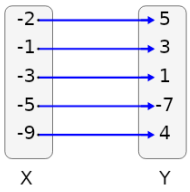
Name

Interpret domain and range in context

1

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

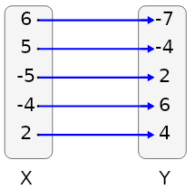


A The set of all possible X values

B The set of all possible Y values

2

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

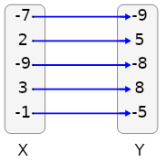


A The set of all possible X values

B The set of all possible Y values

3

What is the range for this function?



A $R: \{-9, 5, -8, 8, -5\}$

B $R: \{-7, 2, -9, 3, -1\}$

4

What domain does this number line show?



A All real numbers less than or equal to -3

B All real numbers greater than or equal to -3

5

What inequality describes the range on this number line?

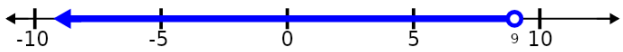


A $-\infty < Y < \infty$

B $Y \leq -6$

6

What interval describes the range on this number line?



A $(9, \infty)$

B $(-\infty, 9)$

7

All real numbers greater than -4 and less than 9

A $-4 < Y < 9$

B $-4 \leq Y \leq 9$

8

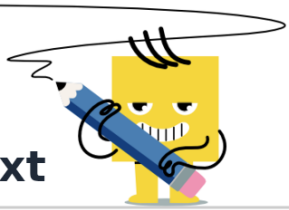
What range does this interval describe?

$(-\infty, 5)$

A All real numbers less than 5

B All real numbers greater than 5

Name



Interpret domain and range in context

9
What inequality describes the range of this interval?

$$(-9, 6]$$

A
$$-9 \leq Y < 6$$

B
$$-9 < Y \leq 6$$

10
Which set describes the domain of this inequality?

$$X < 5$$

A
$$\{X \in \mathbb{R} | X < 5\}$$

B
$$\{X \in \mathbb{R} | 5 < X\}$$

11
What inequality describes domain on this number line?

$$\{X \in \mathbb{R} | X \leq 8\}$$

A
$$0 < X \leq 8$$

B
$$X \leq 8$$

12
What set describes the domain of this function?

$$f(x) = -1x + 5$$

A
$$\{\}$$

B
$$\{X \in \mathbb{R} | \}$$

13
What range does this number line show?



A
All real numbers greater than -3 and less than 3 OR greater than or equal to 7 and less than or equal to 10

B
All real numbers less than 3 OR greater than 7 and less than or equal to 10

14
What interval describes the range on this number line?



A
$$(-\infty, 7] \cup [10, \infty)$$

B
$$(-\infty, 7) \cup (10, \infty)$$

15
What interval describes this range?

$$\{Y \in \mathbb{R} | -10 < Y < 0 \text{ or } 2 \leq Y\}$$

A
$$(-10, 0) \cup [2, \infty)$$

B
$$[-10, 0] \cup [2, \infty)$$

16
What inequality describes the domain of this interval?

$$[4, 7) \cup (9, 10)$$

A
$$4 \leq X < 7 \text{ or } 9 < X < 10$$

B
$$4 \leq X \leq 7 \text{ or } 9 < X \leq 10$$