mobius

Function Domain/Range Definition - Interval to Set Builder (Without Union)

1

$$(-7, -4)$$

Which set describes the range of this interval?

A
$$\{Y \in \mathbb{R} | -7 < Y < -4\}$$

B
$$\{Y \in \mathbb{R} | -7 \leq Y \leq -4\}$$

2

$$[4, \infty)$$

Which set describes the range of this interval?

A	B
$\{Y \in \mathbb{R} | Y \leq 4\}$	$\{Y \in \mathbb{R} | 4 \leq Y\}$

3

Which set describes the domain of this interval?

$$(-10, \infty)$$

A
$$\{X \in \mathbb{R} | -10 < X\}$$

B
$$\{X \in \mathbb{R} | X < -10\}$$

4

$$[0, \infty)$$

Which set describes the domain of this interval?

A	B
$\{X \in \mathbb{R} | 0 \leq X\}$	$\{X \in \mathbb{R} | 0 < X\}$

5

$$[2, \infty)$$

Which set describes the domain of this interval?

A	B
$\{X \in \mathbb{R} | 2 \leq X\}$	$\{X \in \mathbb{R} | X \leq 2\}$

6

$$[-4, \infty)$$

Which set describes the range of this interval?

A
$$\{Y \in \mathbb{R} | -4 \leq Y\}$$

B
$$\{Y \in \mathbb{R} | Y \leq -4\}$$

7

$$[-8, \infty)$$

Which set describes the range of this interval?

A
$$\{Y \in \mathbb{R} | -8 < Y \leq 9\}$$

B
$$\{Y \in \mathbb{R} | -8 \leq Y\}$$

8

$$(-\infty, 4)$$

Which set describes the domain of this interval?

A	B
$\{X \in \mathbb{R} | X < 4\}$	$\{X \in \mathbb{R} | 4 < X\}$

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