



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

1

What set describes the domain of this interval?

$$(-\infty, 4)$$

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

B $\{X \in \mathbb{R} | -8 \leq X \leq 4\}$

2

What set describes the range of this interval?

$$[4, \infty)$$

A

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

B

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

3

What set describes the domain of this interval?

$$(-2, 3)$$

A $\{X \in \mathbb{R} | -2 < X < 3\}$

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

4

What set describes the domain of this interval?

$$(-9, -2]$$

A

$\{X \in \mathbb{R} | -9 < X \leq -2\}$

B

$\{X \in \mathbb{R} | -9 < X < -2\}$

5

What set describes the range of this interval?

$$[-4, \infty)$$

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

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

6

What set describes the domain of this interval?

$$(-5, \infty)$$

A

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

B

$\{X \in \mathbb{R} | -5 < X < 6\}$

7

What set describes the range of this interval?

$$[-1, \infty)$$

A $\{Y \in \mathbb{R} | \}$

B $\{Y \in \mathbb{R} | -1 \leq Y\}$

8

What set describes the domain of this interval?

$$(-\infty, 3)$$

A

$\{X \in \mathbb{R} | X \leq 3\}$

B

$\{X \in \mathbb{R} | X < 3\}$