mobius

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

1

What interval describes this domain?

$$X < 2$$

A
$$(2, \infty)$$

B
$$(-\infty, 2)$$

2

What interval describes this domain?

$$-5 \leq X < 2$$

A
$$(-5, 2]$$

B
$$[-5, 2)$$

3

What interval describes this domain?

$$-1 \leq X < 5$$

A
$$(-1, 5]$$

B
$$[-1, 5)$$

4

What interval describes this range?

$$Y \leq -5$$

A
$$(-\infty, -5]$$

B
$$[-5, \infty)$$

5

What interval describes this domain?

$$-5 < X$$

A
$$[-5, \infty)$$

B
$$(-5, \infty)$$

6

What interval describes this range?

$$Y < 7$$

A
$$(7, \infty)$$

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

7

What interval describes this domain?

$$X \leq 8$$

A
$$(-\infty, 8]$$

B
$$[8, \infty)$$

8

What interval describes this domain?

$$-7 \leq X$$

A
$$(-\infty, -7]$$

B
$$[-7, \infty)$$