mobius

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

1

$(-\infty, 8)$

What inequality describes the domain of this interval?

A	B
$X < 8$	$0 < X \leq 8$

2

$(-\infty, -2)$

What inequality describes the range of this interval?

A
$Y < -2$

B
$-\infty < Y < \infty$

3

$[-10, 3)$

What inequality describes the range of this interval?

A	B
$-10 \leq Y < 3$	$-10 < Y < 3$

4

$(3, 9]$

What inequality describes the domain of this interval?

A	B
$3 < X \leq 9$	$3 < X < 9$

5

$[-6, \infty)$

What inequality describes the domain of this interval?

A	B
$X \leq -6$	$-6 \leq X$

6

$(-2, 6)$

What inequality describes the range of this interval?

A	B
$-\infty < Y < \infty$	$-2 < Y < 6$

7

$(-2, \infty)$

What inequality describes the range of this interval?

A	B
$Y < -2$	$-2 < Y$

8

$(-\infty, 5]$

What inequality describes the range of this interval?

A	B
$-\infty < Y < \infty$	$Y \leq 5$