



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

1
What interval describes this domain?

$$1 < X \leq 5$$

A	B
$(1, 5]$	$(-\infty, 5]$

2
What interval describes this range?

$$-2 < Y$$

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

3
What interval describes this domain?

$$X \leq 1$$

A	B
$(-\infty, 1]$	$[1, \infty)$

4
What interval describes this domain?

$$-9 < X \leq 7$$

A	B
$(-\infty, 7)$	$(-9, 7]$

5
What interval describes this domain?

$$-10 < X$$

A	B
$(-10, \infty)$	
	$(-\infty, -10)$

6
What interval describes this domain?

$$-8 \leq X$$

A	B
$(-\infty, -8]$	$[-8, \infty)$

7
What interval describes this range?

$$-6 \leq Y$$

A	B
$(-\infty, -6]$	$[-6, \infty)$

8
What interval describes this domain?

$$2 < X$$

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