



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

1

Which set describes the range of this interval?

$(-\infty, 4)$

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

2

Which set describes the range of this interval?

$(-\infty, 9]$

A	B
$\{Y \in \mathbb{R}   Y \leq 9\}$	$\{Y \in \mathbb{R}   9 \leq Y\}$

3

Which set describes the range of this interval?

$(-\infty, 8)$

A	B
$\{Y \in \mathbb{R}   Y < 8\}$	$\{Y \in \mathbb{R}   8 < Y\}$

4

Which set describes the domain of this interval?

$(-\infty, -6]$

A	B
$\{X \in \mathbb{R}   -6 \leq X\}$	$\{X \in \mathbb{R}   X \leq -6\}$

5

Which set describes the range of this interval?

$(-10, \infty)$

A	B
$\{Y \in \mathbb{R}   -10 \leq Y\}$	$\{Y \in \mathbb{R}   -10 < Y\}$

6

Which set describes the domain of this interval?

$[-6, \infty)$

A	B
$\{X \in \mathbb{R}   -6 < X\}$	$\{X \in \mathbb{R}   -6 \leq X\}$

7

Which set describes the range of this interval?

$(-\infty, 9)$

A	B
$\{Y \in \mathbb{R}   9 < Y\}$	$\{Y \in \mathbb{R}   Y < 9\}$

8

Which set describes the range of this interval?

$(0, \infty)$

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