



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

1 Which set describes the range of this inequality? $-5 \leq Y < -2$

A $\{Y \in \mathbb{R} \mid -5 \leq Y \leq -2\}$

B $\{Y \in \mathbb{R} \mid -5 \leq Y < -2\}$

2 Which set describes the range of this inequality?

$-2 \leq Y$

A $\{Y \in \mathbb{R} \mid -2 \leq Y\}$

B $\{Y \in \mathbb{R} \mid -2 \leq Y < 5\}$

3 Which set describes the range of this inequality?

$Y < 5$

A	B
$\{Y \in \mathbb{R} \mid Y < 5\}$	$\{Y \in \mathbb{R}\}$

4 Which set describes the range of this inequality?

$Y \leq 2$

A	B
$\{Y \in \mathbb{R}\}$	$\{Y \in \mathbb{R} \mid Y \leq 2\}$

5 Which set describes the domain of this inequality? $-2 \leq X \leq 6$

A $\{X \in \mathbb{R} \mid -2 \leq X \leq 6\}$

B $\{X \in \mathbb{R} \mid -2 < X < 6\}$

6 Which set describes the domain of this inequality?

$-7 \leq X$

A $\{X \in \mathbb{R} \mid -7 < X \leq 6\}$

B $\{X \in \mathbb{R} \mid -7 \leq X\}$

7 Which set describes the range of this inequality?

$Y < 1$

A	B
$\{Y \in \mathbb{R} \mid Y < 1\}$	$\{Y \in \mathbb{R} \mid 1 < Y\}$

8 Which set describes the domain of this inequality?

$-9 \leq X$

A $\{X \in \mathbb{R} \mid X \leq 1\}$

B $\{X \in \mathbb{R} \mid -9 \leq X\}$