



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

1

What range does this inequality describe?

$$Y < 6$$

A All real numbers less than or equal to 6

B All real numbers less than 6

2

What range does this inequality describe?

$$2 < Y$$

A All real numbers greater than 2

B All real numbers greater than or equal to 2

3

What range does this inequality describe?

$$Y \leq 8$$

A All real numbers

B All real numbers less than or equal to 8

4

What domain does this inequality describe?

$$X \leq 8$$

A All real numbers greater than or equal to -9 and less than 8

B All real numbers less than or equal to 8

5

What range does this inequality describe?

$$4 \leq Y$$

A All real numbers less than or equal to 4

B All real numbers greater than or equal to 4

6

What range does this inequality describe?

$$-\infty < Y < \infty$$

A All real numbers

B All real numbers

7

What domain does this inequality describe?

$$X < -4$$

A All real numbers less than -4

B All real numbers greater than -4

8

What range does this inequality describe?

$$Y \leq 9$$

A All real numbers

B All real numbers less than or equal to 9