



## Function Domain/Range Definition - Words to Interval (With Union)

1

All real numbers greater than or equal to 4 and less than or equal to 7 OR greater than 8

A

$[4, 7] \cup (8, \infty)$

B

$(4, 7) \cup (-8, 8)$

2

All real numbers greater than or equal to -8 and less than 7 OR greater than 10

$^A [-8, 7) \cup (10, \infty)$

$^B (-8, 7) \cup (-10, 10)$

3

All real numbers less than or equal to 4 OR greater than 5 and less than or equal to 10

A

$(-\infty, 4) \cup [5, 10]$

B

$(-\infty, 4] \cup (5, 10]$

4

All real numbers less than 7 OR greater than or equal to 9 and less than or equal to 10

A

$(-7, 7) \cup (9, 10]$

B

$(-\infty, 7) \cup [9, 10]$

5

All real numbers less than 7 OR greater than 7 and less than or equal to 10

A

$(-\infty, 7) \cup (7, 10]$

B

$[4, 7) \cup [7, 10]$

6

All real numbers greater than or equal to 4 and less than or equal to 7 OR greater than or equal to 8

A

$[4, 7] \cup [8, \infty)$

B

$(4, 7) \cup (8, 10)$

7

All real numbers less than 7 OR greater than or equal to 9

A

$(-\infty, 7) \cup [9, \infty)$

B

$(-7, 7) \cup (9, \infty)$

8

All real numbers greater than 3 and less than or equal to 7 OR greater than 8 and less than 10

A

$(3, 7) \cup [8, 10]$

B

$(3, 7) \cup (8, 10)$