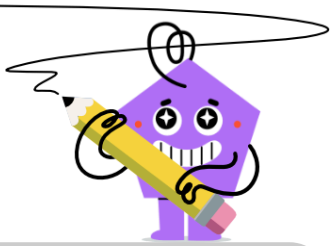
Name

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



1 What inequality describes the domain of this interval? $(-\infty, 7) \cup (7, 12]$

A $-2 \leq X \leq 7$ or $7 < X < 12$

B $X < 7$ or $7 < X \leq 12$

2 What inequality describes the domain of this interval? $(-\infty, 7) \cup [9, 13)$

A $X < 7$ or $9 \leq X < 13$

B $X \leq 7$ or $9 < X < 13$

3 What inequality describes the range of this interval?

$(-\infty, 8] \cup [10, 18]$

A $Y < 8$ or $10 \leq Y$

B $Y \leq 8$ or $10 \leq Y \leq 18$

4 What inequality describes the domain of this interval? $(-5, -1) \cup (2, \infty)$

A $-5 \leq X \leq -1$ or $2 \leq X$

B $-5 < X < -1$ or $2 < X$

5 What inequality describes the range of this interval? $(-8, -2) \cup [2, \infty)$

A $-8 < Y < -2$ or $2 \leq Y$

B $Y \leq -2$ or $2 \leq Y \leq 11$

6 What inequality describes the range of this interval? $(-9, 1] \cup (2, 7]$

A $-9 < Y \leq 1$ or $2 < Y \leq 7$

B $Y < 1$ or $2 \leq Y$

7 What inequality describes the domain of this interval?

$(-10, -6) \cup [-3, \infty)$

A $X \leq -6$ or $-3 \leq X$

B $-10 < X < -6$ or $-3 \leq X$

8 What inequality describes the domain of this interval?

$(-\infty, 8) \cup [12, \infty)$

A $X < 8$ or $12 < X < 18$

B $X < 8$ or $12 \leq X$