

Function Domain/Range Definition - Number Line to Inequality (Without Union)

1 What inequality describes the domain on this number line?



A $-2 < X \leq 8$

B $-2 \leq X \leq 8$

2 What inequality describes the domain on this number line?



A $X < -4$

B $-4 < X$

3 What inequality describes the range on this number line?



A $-\infty < Y < \infty$

B $3 < Y$

4 What inequality describes the range on this number line?



A $4 \leq Y \leq 7$

B $-\infty < Y < \infty$

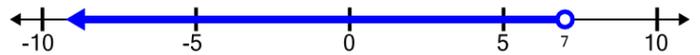
5 What inequality describes the domain on this number line?



A $5 < X$

B $X < 5$

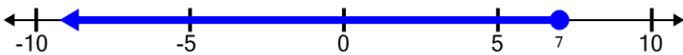
6 What inequality describes the range on this number line?



A $7 < Y$

B $Y < 7$

7 What inequality describes the domain on this number line?



A $-\infty < X < \infty$

B $X \leq 7$

8 What inequality describes the domain on this number line?



A $-\infty < X < \infty$

B $-9 \leq X \leq 4$