Name

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

1 What inequality describes the range on this number line?

A $Y \leq 5$ or $7 < Y$

B $Y \leq 5$ or $7 \leq Y$

2 What inequality describes the domain on this number line?

A $-4 < X < 4$ or $8 < X < 10$

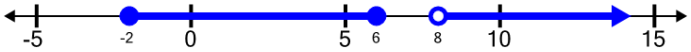
B $X < 4$ or $8 \leq X \leq 10$

3 What inequality describes the domain on this number line?

A $-7 < X < 7$ or $8 < X$

B $-7 \leq X \leq 7$ or $8 \leq X$

4 What inequality describes the domain on this number line?



A $-2 \leq X \leq 6$ or $8 < X$

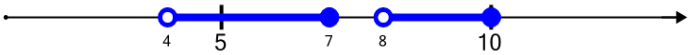
B $-2 < X < 6$ or $8 < X$

5 What inequality describes the range on this number line?

A $-7 \leq Y \leq 7$ or $8 < Y$

B $Y \leq 7$ or $8 \leq Y$

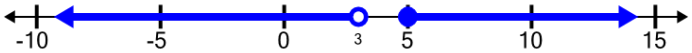
6 What inequality describes the domain on this number line?



A $X \leq 7$ or $8 < X$

B $4 < X \leq 7$ or $8 < X \leq 10$

7 What inequality describes the range on this number line?



A $Y < 3$ or $5 < Y$

B $Y < 3$ or $5 \leq Y$

8 What inequality describes the domain on this number line?

A $-7 < X \leq -2$ or $-1 < X$

B $-7 < X \leq -2$ or $-1 < X < 1$