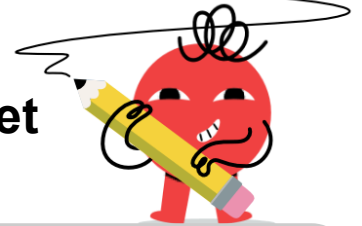


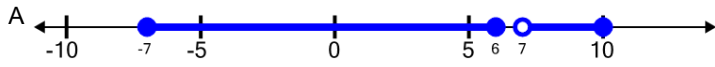


## Function Domain/Range Definition - Set Builder to Number Line (With Union)



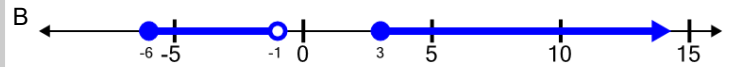
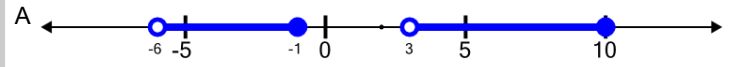
1 Which number line shows this range?

$$\{Y \in \mathbb{R} \mid -7 < Y \leq 6 \text{ or } 7 \leq Y\}$$



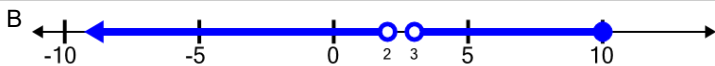
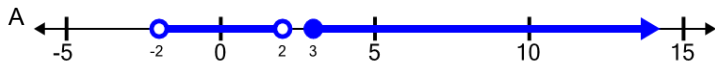
2 Which number line shows this domain?

$$\{X \in \mathbb{R} \mid -6 \leq X < -1 \text{ or } 3 \leq X\}$$



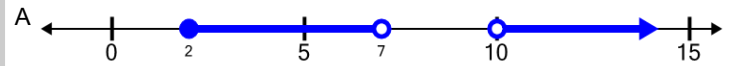
3 Which number line shows this range?

$$\{Y \in \mathbb{R} \mid Y < 2 \text{ or } 3 < Y \leq 10\}$$



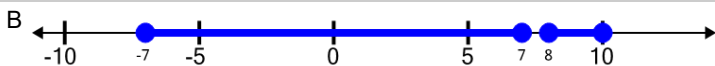
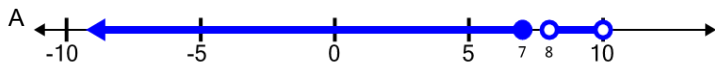
4 Which number line shows this domain?

$$\{X \in \mathbb{R} \mid 2 \leq X < 7 \text{ or } 10 < X\}$$



5 Which number line shows this domain?

$$\{X \in \mathbb{R} \mid X \leq 7 \text{ or } 8 < X < 10\}$$



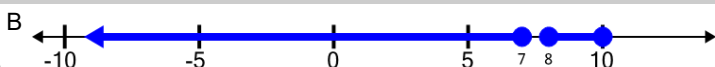
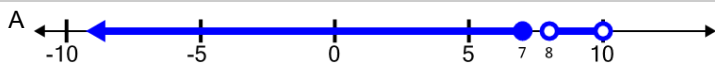
6 Which number line shows this range?

$$\{Y \in \mathbb{R} \mid -5 \leq Y \leq 7 \text{ or } 8 < Y \leq 10\}$$



7 Which number line shows this domain?

$$\{X \in \mathbb{R} \mid X \leq 7 \text{ or } 8 \leq X \leq 10\}$$



8 Which number line shows this range?

$$\{Y \in \mathbb{R} \mid -4 < Y < 7 \text{ or } 9 < Y\}$$

