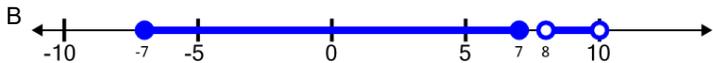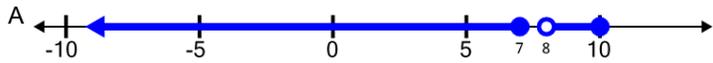# Function Domain/Range Definition - Set Builder to Number Line (With Union)

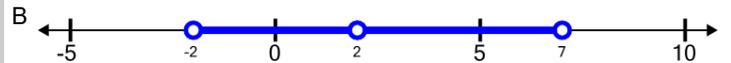**1** Which number line shows this range?

$$\{Y \in \mathbb{R} | Y \le 7 \text{ or } 8 < Y \le 10\}$$

A

B

2 Which number line shows this range?

$$\{Y \in \mathbb{R} | Y < 2 \text{ or } 2 < Y < 7\}$$

A

B
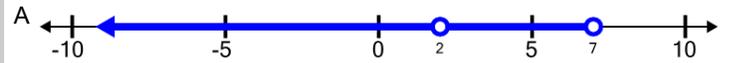
3 Which number line shows this domain?

$$\{X \in \mathbb{R} | 0 \le X \le 7 \text{ or } 8 \le X < 10\}$$
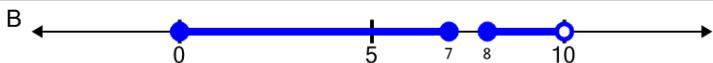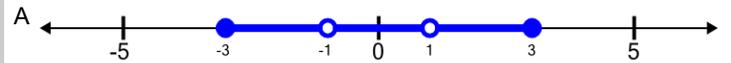
A

B
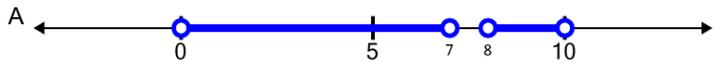
4 Which number line shows this range?

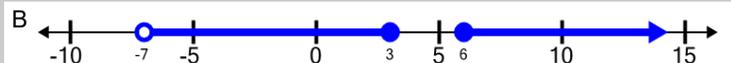$$\{Y \in \mathbb{R} | Y \le -3 \text{ or } -1 < Y\}$$

A

B

5 Which number line shows this domain?

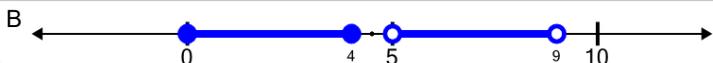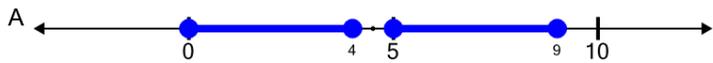$$\{X \in \mathbb{R} | X < 7 \text{ or } 11 \le X\}$$

A

B

6 Which number line shows this domain?

$$\{X \in \mathbb{R} | -7 \le X < 3 \text{ or } 6 < X\}$$

A

B

7 Which number line shows this domain?

$$\{X \in \mathbb{R} | 0 \le X \le 4 \text{ or } 5 < X < 9\}$$

A

B

8 Which number line shows this domain?

$$\{X \in \mathbb{R} | X < 7 \text{ or } 7 < X \le 10\}$$

A

B