

mobius

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

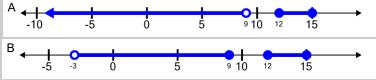


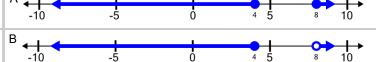
4		
1	What number line shows this ran	ıge?

What number line shows this domain?

$$\{Y \in \mathbb{R} | -3 < Y \le 9 \text{ or } 12 \le Y \le 15\}$$

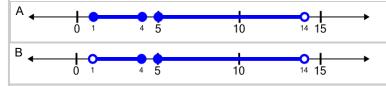
$$\{Y \in \mathbb{R} | -3 \le Y \le 9 ext{ or } 12 \le Y \le 15\} \ ig\{X \in \mathbb{R} | X \le 4 ext{ or } 8 \le X \}$$

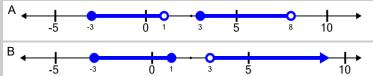


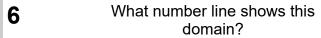


$$\{X \in \mathbb{R} | 1 \le X \le 4 \text{ or } 5 \le X \le 14\}$$

$$\{X \in \mathbb{R} | 1 \le X \le 4 \text{ or } 5 \le X \le 14\} | \{Y \in \mathbb{R} | -3 \le Y \le 1 \text{ or } 3 \le Y\}$$

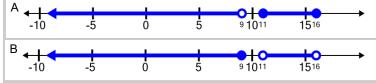


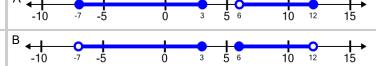




$$\{X \in \mathbb{R} | X \le 9 \text{ or } 11 \le X \le 16\} | \{X \in \mathbb{R} | -7 \le X \le 3 \text{ or } 6 \le X \le 12\}$$

$$|\{X \in \mathbb{R} | -7 \le X \le 3 \text{ or } 6 \le X \le 12\}|$$





7 What number line shows this range?

What number line shows this 8 domain?

$$\{Y \in \mathbb{R} | Y < 8 \text{ or } 9 < Y\} | \{X \in \mathbb{R} | -6 \le X < 7 \text{ or } 7 < X < 16\}$$

$$\{X \in \mathbb{R} | -6 \le X < 7 \text{ or } 7 < X < 16\}$$

