



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

<p>1 What inequality describes domain on this number line?</p> <p>$\{X \in \mathbb{R} X \leq 6 \text{ or } 8 < X < 11\}$</p>	<p>2 What inequality describes range on this number line?</p> <p>$\{Y \in \mathbb{R} Y < 1 \text{ or } 3 < Y < 12\}$</p>
<p>A $X < 6 \text{ or } 8 \leq X$</p>	<p>A $Y < 1 \text{ or } 3 \leq Y < 12$</p>
<p>B $X \leq 6 \text{ or } 8 < X < 11$</p>	<p>B $Y < 1 \text{ or } 3 < Y < 12$</p>
<p>3 What inequality describes range on this number line?</p> <p>$\{Y \in \mathbb{R} Y < 6 \text{ or } 8 < Y\}$</p>	<p>4 What inequality describes domain on this number line?</p> <p>$\{X \in \mathbb{R} 0 < X < 6 \text{ or } 10 \leq X < 14\}$</p>
<p>A $Y < 6 \text{ or } 8 < Y$</p>	<p>A $X < 6 \text{ or } 10 \leq X < 14$</p>
<p>B $Y < 6 \text{ or } 8 \leq Y$</p>	<p>B $0 < X < 6 \text{ or } 10 \leq X < 14$</p>
<p>5 What inequality describes range on this number line?</p> <p>$\{Y \in \mathbb{R} Y < 5 \text{ or } 6 < Y\}$</p>	<p>6 What inequality describes range on this number line?</p> <p>$\{Y \in \mathbb{R} -1 \leq Y < 5 \text{ or } 5 < Y\}$</p>
<p>A $Y < 5 \text{ or } 6 < Y$</p>	<p>A $-1 \leq Y < 5 \text{ or } 5 < Y$</p>
<p>B $Y \leq 5 \text{ or } 6 < Y \leq 11$</p>	<p>B $Y \leq 5 \text{ or } 5 \leq Y$</p>
<p>7 What inequality describes domain on this number line?</p> <p>$\{X \in \mathbb{R} X \leq -3 \text{ or } -2 \leq X\}$</p>	<p>8 What inequality describes range on this number line?</p> <p>$\{Y \in \mathbb{R} Y \leq 6 \text{ or } 7 < Y\}$</p>
<p>A $X \leq -3 \text{ or } -2 \leq X \leq 5$</p>	<p>A $Y \leq 6 \text{ or } 7 < Y$</p>
<p>B $X \leq -3 \text{ or } -2 \leq X$</p>	<p>B $-8 < Y \leq 6 \text{ or } 7 \leq Y$</p>