



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

<p>1 What domain does this inequality describe?</p> $\{X \in \mathbb{Z} X < 9 \text{ or } 10 < X \leq 19\}$ <p>A All integers less than or equal to 9 OR greater than 10 and less than 19</p> <p>B All integers less than 9 OR greater than 10 and less than or equal to 19</p>	<p>2 What range does this inequality describe?</p> $\{Y \in \mathbb{Z} Y < 2 \text{ or } 5 < Y\}$ <p>A All integers less than 2 OR greater than 5</p> <p>B All integers less than or equal to 2 OR greater than or equal to 5</p>
<p>3 What range does this inequality describe?</p> $\{Y \in \mathbb{Z} -2 \leq Y < 8 \text{ or } 8 < Y \leq 17\}$ <p>A All integers less than 8 OR greater than or equal to 8</p> <p>B All integers greater than or equal to -2 and less than 8 OR greater than 8 and less than or equal to 17</p>	<p>4 What range does this inequality describe?</p> $\{Y \in \mathbb{Z} Y < -2 \text{ or } -1 \leq Y\}$ <p>A All integers greater than -5 and less than or equal to -2 OR greater than or equal to -1</p> <p>B All integers less than -2 OR greater than or equal to -1</p>
<p>5 What range does this inequality describe?</p> $\{Y \in \mathbb{R} -5 < Y < 9 \text{ or } 9 < Y\}$ <p>A All real numbers greater than -5 and less than or equal to 9 OR greater than 9</p> <p>B All real numbers greater than -5 and less than 9 OR greater than 9</p>	<p>6 What range does this inequality describe?</p> $\{Y \in \mathbb{R} 4 < Y < 9 \text{ or } 9 < Y\}$ <p>A All real numbers greater than 4 and less than 9 OR greater than or equal to 9</p> <p>B All real numbers greater than 4 and less than 9 OR greater than 9</p>
<p>7 What range does this inequality describe?</p> $\{Y \in \mathbb{Z} -9 < Y < 9 \text{ or } 12 \leq Y \leq 16\}$ <p>A All integers greater than -9 and less than 9 OR greater than or equal to 12 and less than or equal to 16</p> <p>B All integers greater than -9 and less than 9 OR greater than or equal to 12</p>	<p>8 What range does this inequality describe?</p> $\{Y \in \mathbb{R} Y \leq 8 \text{ or } 11 < Y\}$ <p>A All real numbers less than or equal to 8 OR greater than 11</p> <p>B All real numbers less than 8 OR greater than or equal to 11</p>