



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

<p>1</p> <p>What interval describes this domain?</p> <p>$X \leq 0$ or $4 < X$</p> <p>A $(-\infty, 0] \cup (4, 7]$</p> <p>B $(-\infty, 0] \cup (4, \infty)$</p>	<p>2</p> <p>What interval describes this domain?</p> <p>$X \leq 1$ or $3 \leq X < 9$</p> <p>A $(-\infty, 1] \cup [3, 9)$</p> <p>B $[-1, 1] \cup [3, 9]$</p>
<p>3</p> <p>What interval describes this range?</p> <p>$-4 < Y \leq 7$ or $8 < Y$</p> <p>A $(-4, 7) \cup (8, 10)$</p> <p>B $(-4, 7] \cup (8, \infty)$</p>	<p>4</p> <p>What interval describes this domain?</p> <p>$-9 \leq X \leq 4$ or $6 < X$</p> <p>A $[-9, 4] \cup (6, \infty)$</p> <p>B $(-9, 4) \cup [6, \infty)$</p>
<p>5</p> <p>What interval describes this domain?</p> <p>$X \leq 4$ or $8 < X$</p> <p>A $(-\infty, 4] \cup (8, \infty)$</p> <p>B $[-4, 4] \cup (8, \infty)$</p>	<p>6</p> <p>What interval describes this domain?</p> <p>$X < 5$ or $7 \leq X \leq 10$</p> <p>A $(-\infty, 5) \cup [7, 10]$</p> <p>B $[2, 5] \cup (7, 10)$</p>
<p>7</p> <p>What interval describes this domain?</p> <p>$X \leq 6$ or $8 \leq X \leq 10$</p> <p>A $(-\infty, 6] \cup [8, 10]$</p> <p>B $(3, 6] \cup (8, 10]$</p>	<p>8</p> <p>What interval describes this domain?</p> <p>$X < 7$ or $9 \leq X < 10$</p> <p>A $(-\infty, 7) \cup [9, 10)$</p> <p>B $[4, 7) \cup (9, 10]$</p>