



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

<p>1</p> <p>All real numbers greater than or equal to -1 and less than or equal to 7 OR greater than or equal to 8</p>	<p>Which set describes this domain?</p> <p>A <math>\{X \in \mathbb{R}   -1 &lt; X &lt; 7 \text{ or } 8 &lt; X \leq 10\}</math></p> <p>B <math>\{X \in \mathbb{R}   -1 \leq X \leq 7 \text{ or } 8 \leq X\}</math></p>	<p>2</p> <p>All integers less than or equal to 7 OR greater than or equal to 8</p>	<p>Which set describes this domain?</p> <p>A <math>\{X \in \mathbb{Z}   X \leq 7 \text{ or } 8 \leq X\}</math></p> <p>B <math>\{X \in \mathbb{Z}   -7 \leq X \leq 7 \text{ or } 8 &lt; X\}</math></p>
<p>3</p> <p>All integers greater than -9 and less than 7 OR greater than or equal to 8 and less than 10</p>	<p>Which set describes this domain?</p> <p>A <math>\{X \in \mathbb{Z}   -9 \leq X \leq 7 \text{ or } 8 \leq X &lt; 10\}</math></p> <p>B <math>\{X \in \mathbb{Z}   -9 &lt; X &lt; 7 \text{ or } 8 \leq X &lt; 10\}</math></p>	<p>4</p> <p>All integers greater than or equal to 3 and less than 6 OR greater than 9 and less than or equal to 10</p>	<p>Which set describes this domain?</p> <p>A <math>\{X \in \mathbb{Z}   3 \leq X &lt; 6 \text{ or } 9 &lt; X \leq 10\}</math></p> <p>B <math>\{X \in \mathbb{Z}   3 \leq X \leq 6 \text{ or } 9 &lt; X\}</math></p>
<p>5</p> <p>All real numbers less than 5 OR greater than 6 and less than 10</p>	<p>Which set describes this domain?</p> <p>A <math>\{X \in \mathbb{R}   -10 \leq X \leq 5 \text{ or } 6 &lt; X &lt; 10\}</math></p> <p>B <math>\{X \in \mathbb{R}   X &lt; 5 \text{ or } 6 &lt; X &lt; 10\}</math></p>	<p>6</p> <p>All integers less than or equal to 6 OR greater than or equal to 8 and less than 10</p>	<p>Which set describes this range?</p> <p>A <math>\{Y \in \mathbb{Z}   Y \leq 6 \text{ or } 8 \leq Y &lt; 10\}</math></p> <p>B <math>\{Y \in \mathbb{Z}   -6 \leq Y \leq 6 \text{ or } 8 &lt; Y &lt; 10\}</math></p>
<p>7 Which set describes this range?</p> <p>A <math>\{Y \in \mathbb{Z}   -6 \leq Y \leq 6 \text{ or } 8 \leq Y \leq 10\}</math></p>	<p>All integers less than or equal to 6 OR greater than 8</p> <p>B <math>\{Y \in \mathbb{Z}   Y \leq 6 \text{ or } 8 &lt; Y\}</math></p>	<p>8 Which set describes this domain?</p> <p>A <math>\{X \in \mathbb{R}   X &lt; 1 \text{ or } 5 &lt; X\}</math></p>	<p>All real numbers less than 1 OR greater than 5</p> <p>B <math>\{X \in \mathbb{R}   X \leq 1 \text{ or } 5 \leq X\}</math></p>