



## Function Domain/Range Definition - Set Builder to Interval (Without Union)

<p>1</p> <p style="text-align: center;">What interval describes this range?</p> <p><math>\{Y \in \mathbb{R}   Y &lt; 2\}</math></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; border: 1px solid black; padding: 5px;">A</td> <td style="width: 50%; border: 1px solid black; padding: 5px;">B</td> </tr> <tr> <td style="text-align: center; border: 1px solid black;"><math>(2, \infty)</math></td> <td style="text-align: center; border: 1px solid black;"><math>(-\infty, 2)</math></td> </tr> </table>	A	B	$(2, \infty)$	$(-\infty, 2)$	<p>2</p> <p style="text-align: center;">What interval describes this range?</p> <p><math>\{Y \in \mathbb{R}   Y &lt; 4\}</math></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; border: 1px solid black; padding: 5px;">A</td> <td style="width: 50%; border: 1px solid black; padding: 5px;">B</td> </tr> <tr> <td style="text-align: center; border: 1px solid black;"><math>(4, \infty)</math></td> <td style="text-align: center; border: 1px solid black;"><math>(-\infty, 4)</math></td> </tr> </table>	A	B	$(4, \infty)$	$(-\infty, 4)$
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