

Fill in the Blanks Set Notation for Inequalities

Inequality/Inequalities	In Set Notation
$x \geq 3.2$	$\{x: x \geq 3.2\}$
$-2 \leq x < 5$	
	$\{x: x < -8\} \cup \{x: x \geq 3\}$
$-\frac{1}{2} < x < 4$	$\{ \quad \} \cap \{ \quad \}$
	$\left\{x: -\frac{1}{2} < x < 4\right\}$
$x < \frac{7}{2}$ and $x > 1$	
$x \leq 1$ or $x \geq 6.5$	
$-\frac{3}{4} \leq x \leq -\frac{1}{4}$	
	$\{x: x \leq -3\} \cup \{x: 2 < x < 5\}$
$x > 10$ or $-1 \leq x < 0$	
	$\{x: x \geq 5\} \cup \left\{x: x < \frac{3}{2}\right\}$
	$\left\{x: -2 \leq x < \frac{3}{5}\right\} \cup \{x: x > 1\}$
$x < 9$ and $x \geq \frac{2}{3}$	