








Interval Notation	Inequality Notation	Verbal Description	Number Line Graph
(a, ∞)	$x > a$	x is greater than a	
$[a, \infty)$	$x \geq a$	x is greater than or equal to a	
$(-\infty, b)$	$x < b$	x is less than b	
$(-\infty, b]$	$x \leq b$	x is less than or equal to b	
(a, b)	$a < x < b$	x is between a and b , not including either a or b	
$[a, b)$	$a \leq x < b$	x is between a and b , including a but not including b	
$(a, b]$	$a < x \leq b$	x is between a and b , not including a but including b	
$[a, b]$	$a \leq x \leq b$	x is between a and b , including both a and b	