

Interval	Inequality	Graph
$[a ; b]$ fermé	$a \leq x \leq b$	A horizontal number line with arrows at both ends labeled $-\infty$ and ∞ . Two points, a and b , are marked on the line. From a to b , the line is thick and blue, with square brackets $[$ at a and $]$ at b .
$[a ; b)$ fermé à gauche, ouvert à droite	$a \leq x < b$	A horizontal number line with arrows at both ends labeled $-\infty$ and ∞ . Two points, a and b , are marked on the line. From a to b , the line is thick and blue, with a square bracket $[$ at a and a parenthesis $)$ at b .
$]a ; b]$ ouvert à gauche, fermé à droite	$a < x \leq b$	A horizontal number line with arrows at both ends labeled $-\infty$ and ∞ . Two points, a and b , are marked on the line. From a to b , the line is thick and blue, with a parenthesis $)$ at a and a square bracket $]$ at b .
$]a ; +\infty[$	$x > a$	A horizontal number line with arrows at both ends labeled $-\infty$ and ∞ . A point a is marked on the line. From a to the right, the line is thick and red, with a parenthesis $)$ at a and an arrow pointing to ∞ .
$[a ; +\infty[$	$x \geq a$	A horizontal number line with arrows at both ends labeled $-\infty$ and ∞ . A point a is marked on the line. From a to the right, the line is thick and red, with a square bracket $[$ at a and an arrow pointing to ∞ .
$] - \infty ; b [$	$x < b$	A horizontal number line with arrows at both ends labeled $-\infty$ and ∞ . A point b is marked on the line. From the left to b , the line is thick and red, with an arrow pointing to $-\infty$ and a parenthesis $)$ at b .
$] - \infty ; b]$	$x \leq b$	A horizontal number line with arrows at both ends labeled $-\infty$ and ∞ . A point b is marked on the line. From the left to b , the line is thick and red, with an arrow pointing to $-\infty$ and a square bracket $]$ at b .