Bounded Intervals of Real Numbers

WRITE IT DOWN!

Let a and b be real numbers with $a < b$.

Interval Notation   **Inequality Notation**

$[a, b]$ ⟵ ——— *equivalent* ——⟶ $a \leq x \leq b$

(a, b) $a < x < b$

$[a, b)$ $a \leq x < b$

$(a, b]$ $a < x \leq b$

The numbers a and b are the right and left **endpoints** of each interval.