

區間 (Interval)

開區間 (Open interval) :

$$\{x \mid a < x < b\} = (a, b)$$

右開區間 (Left open interval) :

$$\{x \mid a \leq x < b\} = [a, b)$$

左開區間 (Right open interval) :

$$\{x \mid a < x \leq b\} = (a, b]$$

半開區間 (Half open interval) :

$$\{x \mid a \leq x < b\} = [a, b)$$

$$\{x \mid a < x \leq b\} = (a, b]$$

閉區間 (Closed interval) :

$$\{x \mid a \leq x \leq b\} = [a, b]$$

無限區間 (Infinite interval) :

$$\{x \mid a < x\} = (a, \infty)$$

$$\{x \mid a \leq x\} = [a, \infty)$$

$$\{x \mid x < b\} = (-\infty, b)$$

$$\{x \mid x \leq b\} = (-\infty, b]$$

$$\mathbb{R} = (-\infty, \infty)$$