

List of Symbols/Terminology

(1) $;$ $=$ $|$ = “such that” = s.t.

(2) \in = “element of” = “in”

(3) $\mathbb{N} = \{1, 2, 3, \dots\}$ = natural numbers = positive integers

(4) $\mathbb{Z} = \{\dots, -1, 0, 1, \dots\}$ = integers

(5) \mathbb{R} = real numbers

(6) \Rightarrow = “implies”

(7) $A \setminus B = \{x ; x \in A, x \notin B\}$

(8) \Leftrightarrow = “if and only if”

(9) \forall = “for all”

(10) $[a, b] = \{x \in \mathbb{R} ; a \leq x \leq b\}$

(11) $[a, b) = \{x \in \mathbb{R} ; a \leq x < b\}$

(12) $(a, b] = \{x \in \mathbb{R} ; a < x \leq b\}$

(13) $(a, b) = \{x \in \mathbb{R} ; a < x < b\}$