Symbols

 \mathbb{N} Set of natural numbers

 \mathbb{N}_0 Set of natural numbers $\cup \{0\}$

 \mathbb{Z} Set of integers

 \mathbb{R} Set of real numbers

 \mathbb{C} Set of complex numbers

I Open interval $(0, \infty)$

||x|| Norm of x

 $\langle x, y \rangle$ Inner product of x and y

a.e. Almost everywhere