Set Theory Symbols

Symbol	Meaning
{}	set
$\mid$	such that
$\in$	member of
$\notin$	not member of
$A \subseteq B$	subset
$A \subset B$	proper subset
$A \not\subset B$	not subset
$A \supseteq B$	superset
$A \supset B$	proper superset
$A \not\supset B$	not superset
$A \cap B$	intersection
$A \cup B$	union
$A \setminus B$	difference
$A = B$	equality
A^C	complement
$\varnothing$	empty set
$\mathbb{U}$	universal set
$\mathbb{N}$	natural numbers
$\mathbb{Z}$	integers
$\mathbb{Q}$	rational numbers
$\mathbb{R}$	real numbers
$\mathbb{C}$	complex numbers