

Logical Formulae

$P \wedge Q$ for 'P and Q'

$P \vee Q$ for 'P or Q'

$\neg P$ for 'not P'

$P \Rightarrow Q$ for 'P implies Q'

$P \Leftrightarrow Q$ for 'P if and only if Q'

$\forall x \in A (P(x))$ for 'P(x) holds for all $x \in A$ '

$\exists x \in A (P(x))$ for 'there exists $x \in A$ such that P(x) holds'