

Creating new statements from old:

Let p and q be statements

' $p \wedge q$ ' = conjunction of p and q

' $p \vee q$ ' = disjunction of p and q

' $\neg p$ ' = negation of p

' $p \Rightarrow q$ ' = implication or conditional

' $p \Leftrightarrow q$ ' = biconditional

Use these constructions to build compound statements from simpler statements.