

In logic, a _____ is a declarative statement to which we can assign a truth value. Said truth value can be either _____, or _____.

ELEMENT

When we want to reverse a truth value, we use _____, written $\neg p$. To combine statements, we use logical _____ such as \wedge , \vee , and \Rightarrow . The expression $p \Rightarrow q$ is an _____ meaning “if p then q ”.

NEGATION

DIFFERENCE

TRUE

OPERATOR

EQUIVALENT

IMPLICATION

UNION

PROPOSITION

FALSE

INTERSECTION