1 Introduction

Statement   Sentence that is either true or false. i.e. 1+1=3

Compound Statement   several statements connected by logical operators.

1. NOT $\neg$

2. AND $\wedge$

3. OR $\vee$

4. implies

Open Sentence   Sentence w/ one or more variables. Either true or false, takes on values from domain.

Implies   if A then B, undefined with false hypothesis

If and only if   biconditional