

Math 2283 - Introduction to Logic

Quiz #3 - 2012.08.27

Solutions

1. Give examples, besides *if, .. then*, of connectives used to join logical sentences together.

Two examples are *and* and *if and only if*.

2. Describe the difference between material and formal uses of *if, .. then*.

The material implication does not have to relate the antecedent to the consequent. In a formal implication, there must be a connection between the antecedent and consequent.

3. How does one obtain the converse statement to a conditional statement?

You simply switch the consequent and antecedent.