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Conditional Statements

Definitions

If / Then - A statement that is written in if/then form.

Example: If _____, then _____.

Hypothesis - The statement following the "if" in an If/then.

Conclusion - The statement following the "then" in an If/then.

Definitions

Conditional - A statement written in if/then form.

Converse - A statement that exchanges the hypothesis and conclusion of a conditional statement.

Inverse - Negating both the hypothesis and conclusion of a conditional statement.

Contrapositive - negating and exchanging both the hypothesis and conclusion of a conditional statement.

EXAMPLE:

Conditional: If an angle is right, then it is equal to 90 degrees
Hypothesis Conclusion

Converse If an angle is equal to 90 degrees, then it is a right angle.

Inverse If an angle is not right, then it is not equal to 90 degrees.

Contrapositive If an angle is not equal to 90 degrees, then it is not a right angle.