Download Biconditional Geometry Definition

Biconditional statements do not use the key words 'if' and 'then.' Biconditional statements are true statements that combine the hypothesis and the conclusion with the key words 'if and only if.'How To Write A Biconditional Statement. The general form (for goats, geometry or lunch) is: Hypothesis if and only if conclusion. Because the statement is biconditional (conditional in both directions), we can also write it this way, which is the converse statement: Conclusion if and only if hypothesis. Notice we can create two biconditional statements. If conditional statements are one-way streets, biconditional statements are the two-way streets of logic.Definition: A biconditional statement is defined to be true whenever both parts have the same truth value. The biconditional operator is denoted by a double-headed arrow . The biconditional p q represents "p if and only if q," where p is a hypothesis and q is a conclusion.Biconditional Statement. A rectangle is a square if and only if the adjacent sides are congruent. The associated conditional statements are: a) If the adjacent sides of a rectangle are congruent then it is a square. b) If a rectangle is a square then the adjacent sides are congruent., Biconditional Geometry Definition.

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