Geometry Chapter 2 Vocab

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| **Across**  **3.** A proof where the reasoning is written in a paragraph, like an english paper  **5.** 'Not p', '~p'  **8.** Hypothesizing that something is true because certain cases are true  **14.** What comes out of exchanging AND negating the hypothesis and conclusion of a conditional  **16.** A statement that we think is true  **17.** Statements with the same truth value  **18.** The 'Then' or 'q' part of a conditional statement  **19.** A polygon with three sides  **20.** Something that proves a statement/conjecture false  **21.** A proof that uses boxes and arrows to show the reasoning  **22.** A statement's truth value is either T or F  **23.** An 'if p, then q' statement with p as the hypothesis and q as the conclusion | **Down**  **1.** A proven statement  **2.** A closed figure in a plane with at least three sides and three angles  **4.** Using logic to draw conclusions  **6.** What comes out of exchanging the hypothesis and the conclusion of a conditional  **7.** An 'if p, then q' statement  **9.** A polygon with four sides  **10.** A proof where the statements are in the right column and the reasons are in the left.  **11.** The 'If' or 'p' part of a conditional statement  **12.** It describes an object in math and can be written as a biconditional statement  **13.** What comes out of negating the hypothesis and conclusion of a conditional  **15.** Using logic to prove that statements are true, using statements and reasons |