Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_

Mr. Kaufman Geometry

 **Logic Summary Homework**

 1. The statement "If x is prime, then it is odd" is false when x equals…

 How many examples can you find that make this true?

 2. What is the converse of “If an angle measures 90 degrees, then it is a right angle”?

 3. Write a statement that is logically equivalent to the statement “If two sides of a triangle are congruent, the angles opposite those sides are congruent.” Identify the new statement as the converse, inverse, or contrapositive of the original statement.