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.