

3.3 Logic Statements

NAME: _____ HOUR: _____

Re-write the following statements as a conditional (if-then) statement. Then write its converse.

In each statement, circle the **Hypothesis** and the **Conclusion**. Label the Hypothesis with **H** and the Conclusion with **C**.

1. A Rational number is any number that can be written as a fraction.

Conditional: _____

Converse: _____

2. The square root of a negative number is an imaginary number.

Conditional: _____

Converse: _____

3. When you have parallel lines, consecutive interior angles are supplementary.

Conditional: _____

Converse: _____

4. Every even number is a multiple of 2.

Conditional: _____

Converse: _____

5. Vertical Angles are congruent.

Conditional: _____

Converse: _____

6. Linear pair angles are supplementary.

Conditional: _____

Converse: _____

7. A Right Angle has a measure of 90° .

Conditional: _____

Converse: _____

8. When you add polynomials you combine terms with the same variable and exponents.

Conditional: _____

Converse: _____

9. Corresponding angles are congruent with Parallel Lines.

Conditional: _____

Converse: _____

10. Alternate Exterior angles are congruent with a transversal cutting across Parallel lines.

Conditional: _____

Converse: _____