

## **Unit 2 Section 2 Conditional Statements**

**In class Practice (goes with powerpoint)**

***Write each statement an If-Then Statement.***

1. Congruent segments are segments that have equal lengths.
2. An equilateral triangle consists of three congruent angles and three equal sides.

***Underline the hypothesis and circle the conclusion of each conditional statement.***

3.  $VW = XY$  implies  $\overline{VW} \cong \overline{XY}$
4. K is the midpoint of  $\overline{JL}$  if  $JK = KL$
5. Mr. Loney sings when all his students get an A on the test.
6. People who live in Texas, live in the United States.

***Provide a counterexample to disprove the statement.***

7. If Rachel is 16 years old, then she has obtained her driver's license.
8. If a number is divisible by 4 then it is divisible by 6.

***Write the conditional and converse of the statement below. If both are true, write the biconditional.***

9. An equilateral triangle consists of 3 congruent sides.

**TYPES of STATEMENTS**

<b>Statement</b>	<b>Definition</b>	<b>Symbolic Representation</b>
<b>CONDITIONAL</b>		
<b>INVERSE</b>		
<b>CONVERSE</b>		
<b>CONTRAPOSITIVE</b>		