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CYU 2.1 Conditional Statements

Date

✓ Use when you get it right all by yourself

S Use when you did it all by yourself, but made a silly mistake

H Use when you could do it alone with a little help from teacher or peer

G Use when you completed the problem in a group

X Use when a question was attempted but wrong (get help)

NUse when a question was not even attempted

CONCEPTS	BASIC	INTERMEDIATE	ADVANCED	
Hypothesis & Conclusion	1, 1,			
Conditional Statement: "if-then" form	2		9	
Negation (~)	3	4		
Converse, Inverse, & Contrapositive	5a	5b		
Truth Value	5a	5b		
Spiral Review	10a	10b	6	
Biconditional statements: iff: if and only if		7	8	

- 1. Underline the hypothesis and circle the conclusion in the conditional statement provided. If a polygon is a pentagon, then it has five sides.
- 2. Rewrite the statement into if-then conditional form. 9x + 5 = 23, because x = 2.
- 1. Write the negation of the statement: The lake is cold.
- 4. Write the negation of the statement: The dog is not a lab.

5. Write the conditional statement in if-then form. Then write the converse, inverse, and contrapositive. Then decide the truth value of each statement you write.

a. Let p be "you do your math homework" and q be "you will do well on the test."

False > Conditional: If you do your nonework, then you will do well on the test.

False > Converse: If you do not do your math Homework => you nomework

False > Inverse: If you do not do your math Homework => you

will not do well on the test.

False > Contrapositive: If you do not do well on the test, then you did

not do your nomework.

