Name _____ Class _____ Date _____

Reteaching 2-1

OBJECTIVE: Writing the converse of conditional statements	**MATERIALS:** None

Example

Write the converse of the following statement.

If snow is falling, then the temperature is below freezing.

If snow is falling, then the temperature is below freezing.

$\underbrace{\text{hypothesis}}$ $\underbrace{\text{conclusion}}$

Converse: Interchange hypothesis and conclusion.
    If the temperature is below freezing, then snow is falling.

Exercises

Work in groups of three. Each group member should make up three conditionals relating to sports, hobbies, school, or mathematics.

1. Working alone, write the converse for each conditional.

2. Determine whether each converse is true.

3. Compare your answers with those of the other members of your group. Revise your work until you all agree.

Write the converse for each of the following conditionals. Determine the truth value of each conditional and its converse.

4. If you see lightning, then you hear thunder.

5. If your pants are blue, then they are jeans.

6. If you are eating an orange fruit, then you are eating a tangerine.

7. If a number is a whole number, then it is an integer.

8. If a triangle is an obtuse triangle, then it has one angle greater than 90°.

9. If $n = 8$, then $n^2 = 64$.

10. If you got an A on the first test, then you got an A for the quarter.

11. If a figure is a square, then it has four sides.

12. If $\sqrt{x} = 12$, then $x = 144$.