

Geometry Accelerated  
Conditional and Biconditional Statements Worksheet

**A.M.D.G**

Below are a list of statements that you are to assume are true. You will use these statements in the problems below.

- If Mr. M. reserved a copy of Silent Hill 4, then he will not have to wait in line.
- Mr. M.'s students are overjoyed when they do not have to take his quizzes.
- Mr. M. is unhappy when he waits in line.
- If Mr. M. does not write a quiz, then his students do not have to take a quiz.
- When Mr. M. is unhappy, he punishes his students.
- If Mr. M. does not wait in line, then he gets to play Silent Hill 4 instead of writing a quiz.

- 1) Rewrite the above statements so that they are in if-then format. Try to arrange them so that they have a logical flow, if possible.

- 2) What, if anything, could you conclude if Mr. M had to wait in line? Make sure to include all conclusions.

- 3) What, if anything, could you conclude if Mr. M was unhappy? Make sure to include all conclusions.
  
- 4) What, if anything, could you conclude if Mr. M had reserved a copy of Silent Hill 4? Make sure to include all conclusions.
  
- 5) What, if anything, could you conclude if Mr. M.'s students are overjoyed? Make sure to include all conclusions.

Extra Credit: What is the name of the protagonist's next door neighbor in the game Silent Hill 4?