Research Methods in Political Science: Logic Homework

Instructions: Review the three step logical problem solving procedure we worked with in class. Following that procedure step by step, prepare a solution to the puzzles below. Proofread your solution and be prepared to discuss in class.

1. One evening as you are out for a stroll, you walk by a doorway labeled "No Normals allowed." You hear three voices from within. Curious, you listen and hear the following. Voice one: "All of us are Knaves." Voice two: "Exactly one of us is a Knight." What are the three people inside? (Smullyan's #31)
2. It turns out that on one part of the island there is a rule that Normals can only marry Normals, and Knights and Knaves can only marry each other. One day as you are walking in this part of the island, you meet Mr. and Mrs. Jones. Mr. Jones says, "My wife is a Normal." Mrs. Jones says, "My husband is a Normal." What are Mr. and Mrs. Jones? (Smullyan's #45)