1 **PEAS for WUMPUS** (10 points)
Work problem 7.1 in the textbook.

2 **Logical Inference for WUMPUS** (10 points)
Work problem 7.2 in the textbook.

3 **Validity and Satisfiability** (16 points)
Work problem 7.8 in the textbook. You will need to review the definitions of validity and satisfiability. A sentence is valid if it is true for every row of the truth table (i.e., for every possible assignment of true values to the proposition symbols in the sentence). A sentence is unsatisfiable if it is false for every row of the truth table.