Homework 7
First Order Logic and Inference

Due Tuesday, Oct. 22nd, at the beginning of class (11:10AM).

[*Only answer the questions for your type of credit.*]

[Everyone]

1. Work problem 8.6, page 315 ("Which of the following are valid…")

2. Work problem 8.11, page 317 ("Complete the following exercises…")

3. Work problem 8.13, page 317 ("Equation (8.4)…")

4. Work problem 9.6, page 361 ("Write down logical…")

5. Work problem 9.19, page 364 ("Suppose a knowledge base…")

[Graduate students only]

6. Work problem 8.26, page 320 ("Extend the vocabulary…")

7. Work problem 9.10, page 362 ("A popular children's…")

8. Read about Gödel's incompleteness theorem on page 352. Write 1 paragraph on your opinion of the significance of this theorem for AI.