

Assignment 3: due Mon, Oct 6, 2008

Reminder: The assignment is due at 11:59pm on Monday, October 6. To hand in the assignment, upload it to the course directory using the **provide** online submission system.

Please use one file per question, unless noted otherwise.

Question 1 – First Order Logic – 30pts

This question is about getting comfortable with FOL connectives and quantifiers and what they mean.

1. Exercise 8.6 (p.268-9) – 15 pts
2. Exercise 8.15 (p.270) – 15 pts

Question 2 – FOL Inference – 30pts

1. Put the sentences **a** through **d** from Question 1.1 into clausal form. – 15 pts
2. Exercise 9.18 (p.318) – 15 pts

Question 3 – Knowledge Representation – 20 pts

Exercise 10.3

Question 4 – Natural Language – 20 pts

Exercise 22.9 (p.832)

No extra credit this time.