Review for the midterm exam 2

The midterm exam 2 covers the chapter 5, 6, and 8. The corresponding contents are game (adversarial search), logical agents, and first-order logic. Pay attention to following knowledge points for your preparation of the midterm exam 2. An appendix of logic tables are given in the test. There are two types of questions in the midterm exam: (1) true or false question and (2) short answer question.

What is minimax algorithm and how does it work? In compared to previous uninformed search and heuristics search, what are new features of the minimax search?

What is α-β pruning?

What are logic, syntax, and semantics?

Given tables of first-order logic, can solve practical problems.

What are entailment and inference? What are difference between them?

Given a propositional logic sentence, can judge true or false.