Instructions for the CD:

- This CD follows the procedures spelled out in your syllabus. That is,
  - This CD is **closed book, closed internet, closed fellow students**.
  - However, you may use any **handwritten** notes (of your creation) in your notebook.
- Read all questions and their instructions thoroughly before you begin. It is always worth your time to plan ahead!
- There is a 50-minute time limit.
- You will be evaluated based on what you include in your explicit answers. Show work where appropriate.

What you should be able to do on the CD:

1. Complete a truth table for a given propositional logic statement.
   a. Exercise 1.2.4
2. Translate an English sentence into an appropriate propositional logic statement using provided variables.
   a. Exercises 1.2.2 and 1.2.7
   b. Exercises 1.3.5, 1.3.7, 1.3.8, 1.3.9
3. Write a meaningful negation (in English) of a provided proposition.
   a. Exercise 1.1.1
4. Given a valid implication statement (in English), identify the converse, contrapositive, inverse and/or negation of the statement (in English).
   a. Exercises 1.3.2 and 1.3.3
5. Determine if a provided predicate statement is true or false. When appropriate, give an example to prove your assertion.
   a. Exercise 1.6.2
6. Translate English statements into logical predicate expressions with the same meaning.
   a. Exercises 1.7.2, 1.7.3, 1.7.4, 1.7.5
7. Translate English statements into their meaningful negation using De Morgan’s laws.
   a. Exercises 1.8.1, 1.8.2, 1.8.3