22C: 019 Homework 3

Total Points= 40(4% of your grade)

Assigned 10/7/11 due 10/14/11 11:59 PM

Submit your work through ICON

(Please convert your solution to pdf before submission. Otherwise, some of the mathematical symbols become unreadable on a different machine, and lead to confusion. There are many free pdf converters available on the web)

There are six question and 12 problems. Please note that we will grade **only eight** of these 12 problems. This subset will be chosen arbitrarily, and will be the same for every student.

Question 1. Page 144: 14 (a) (c)

Question 2. Page 272: 24 (a) (b)

Question 3. Page 273: 32 (d) (e)

Question 4. Page 285: 20, 34 (show the steps)

Question 5. Page 293: 18, 20

Question 6. Page 304: 2(b) (c)

Note 1. You can type the symbols $\wedge$ $\vee$ $\neg$ $\rightarrow$ $\leftrightarrow$ $\exists$ $\forall$ using *Insert Symbol* in Microsoft Word.

Note 2. *At the end of the textbook, you can find the solutions to odd numbered exercises. These will help you in answering some of the exercises in this homework.*

Note 3. Homework solutions must be your own. You can discuss a problem with another student for the sake of understanding it, but do not discuss your solution. Take the help of the TAs whenever necessary.