

## 22C: 019 Homework 1

**Total Points= 40(4% of your grade)**

**Assigned 2/7/14 due 2/14/14 11:59:59 PM**

**Submit your work through ICON**

(Read this carefully) Submit one file for this homework. We will accept only pdf files. If you prepare a handwritten solution, then it is your responsibility to scan and convert it to a legible pdf file of appropriate resolution. Taking poor images using a cell phone and submitting it as a solution is strongly discouraged, since those are often not legible. Late assignments will not be accepted.

Solve the following problems (from the **7<sup>th</sup> Edition** of your textbook). Please note that we will grade **only eight** of these problems. This subset will be chosen arbitrarily, and will be the same for every student.

(Page 53) 8(a) (d), 10(c) (d), 12(d) (f), 16(c) (d)

(Page 54) 24(a) (c)

(Page 67) 20 (b) (c), 32 (a) (b)

(Page 91) 8, 24

(Page 136) 4 (a) (d)

**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 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.