

## Problem Set #1

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**Due: 9/29 in class. Please review the late day policies in Handout #1.**

You have two options for submitting LPL problems:

1) Print them out bring them to class on the due date (or hand them in after class). Please be sure that the problems are attached **in order** so the TA's can find them easily.

2) Use the Grade Grinder by following these steps (**this is the preferred method**):

- a) Submit all exercises in a group, and submit them to us only once. We want one grade report per student that includes all the exercises for the problem set. This must be submitted prior to the start of class on the due date. If there are written parts for your problems, then hand them in in class.
- b) We will grade your problem set based on the grade report that we receive, i.e., we will award all points or no points based on correct/incorrect indicator in your grade report.
- c) If there is a proof or problem that you did not finish (and therefore will be marked incorrect in the grade report), you can submit a paper copy of the proof so we can give you partial credit. You must indicate that you are submitting paper cop(ies) in the comments when you submit to the Grade Grinder. If you do not indicate this, the TA's will not know to look for your printed proof/problem. Any paper submissions must also be turned in in class on the due date.
- d) If you use a late day, then both electronic and paper submissions of incomplete proofs must be submitted at the same time. Do not split your submission. Remember: assignments are **not** accepted later than one class period after the due date.
- e) With Grade Grinder, you must use the following as the instructor's email: **cs103a.submit@gmail.com**

### Intro to Predicate Logic.

- 1) "You try it" on pp. 8-10 of LPL (if you plan on using the Grade Grinder).
- 2) "You try it" on pp. 24-25 of LPL. (Note that you have to scroll the sentences down to see all of them.) There is nothing to submit for this exercise.
- 3) Exercises 1.2-1.5 on pp. 25-27 of LPL and exercise 1.9 on p. 30.
- 4) Exercise 1.14 on p. 35 (requires working through 1.13, but turn in only 1.14)
- 5) Exercise 2.1 on p. 44 of LPL (don't forget to turn in the table in class).

### Methods of Proof

- 6) Exercises 2.7, 2.9, 2.10, 2.12, 2.13, pp. 53-54 of LPL
- 7) "You try it" on pp. 58-60 & pp. 60-61.
- 8) Exercises 2.17, 2.18, 2.20, p. 62.
- 9) Exercises 2.21, 2.23, 2.25, 2.26, pp. 65-66. (Try but do not submit 2.24, 2.27)

Remember: use **cs103a.submit@gmail.com** as the instructor's email with Grade Grinder, and use **Robert Plummer** as the instructor's name.