

Homework 1

July 8, 2008

The homework is due in class (BEFORE the lecture begins) on **Monday, 14th July**. As mentioned in the course syllabus, there are no electronic submissions and no late homeworks will be accepted unless you have an illness spanning the full period from the time the homework was assigned until it was due (and I shall need to see a medical practitioner's certificate to that effect). Standard academic honesty rules apply. You can discuss problems but the solutions turned in should be entirely your own. Cases of plagiarism will be dealt with strictly.

Most of the problems are from the book by Stewart, 6th Edition.

You may want to start off on this homework this Wednesday or even Thursday. By then, we will have covered similar problems in class.

1 Compulsory Problems

1. Section (2.2), problem 6.
2. Section (2.2), problem 12 (Note: Pay attention to all equality, inequality signs).
3. Section (2.2), problem 14 (Note: Pay attention to all equality, inequality signs).
4. Section (2.3), problems 12, 22, 23, 28, 52, 58.

2 Bonus Challenge Problem

This will contribute to 20 per cent more on your grade for this homework, if you get it fully right. That is, if you score 80 per cent on the previous problems, and you got his one right as well, you will get a 100 per cent on this homework.

Problem 62, section (2.3).

3 Optional Problems

You do not have to submit these, but these are some problems from the book for your own practice.

1. Section (2.3), problems 2, 32, 38, 45, 46, 51, 61.