PROBLEMS: 2.30, 3.5, 3.15, 3.22, 3.23

DR. LOVELESS PROBLEMS

PROBLEM I: Work through each Exam 1 in the exam archive! Make sure you understand all the posted solutions. There are plenty of additional induction problems that you can practice from old exams.

The problems above are DUE NEVER, but you are expected to work through them before Exam 1.

HOMEWORK NOTES/HINTS

- Problem 3.22: You will need to use the triangle inequality at some point in the inductive step.

- For more basic induction practice try any (or all) of the following problems:

$$3.5 - 3.9, 3.14 - 3.19, 3.27 - 3.32, \text{ or any induction problems from old exams}$$