

AMS 527, Spring 2009, Homework 2

70 points. Due: Monday 02/16

Electronic submission of homework assignments is strongly encouraged for the computer problems. For the written part, you are encouraged (but not required) to typeset using \LaTeX or \LyX (an easy-to-use front-end of \LaTeX). For electronic submission, homework is due at 11:59pm on the due date. For paper submission, homework is due in class on the due date.

1. (10 points) Exercise 5.3 on page 248 of Heath book.
2. (15 points) Exercise 5.12 on page 249 of Heath book.
3. (15 points) Exercise 5.14 on page 249 of Heath book.
4. (30 points) Computer problem 5.18 on page 252 of Heath book. Start from the template file http://www.ams.sunysb.edu/~jiao/teaching/ams527_spring09/HW/hw2_4.c.