

# AMS 527, Spring 2009, Homework 3

70 points. Due: Monday 02/23

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  $\text{\LaTeX}$  or  $\text{\LyX}$  (an easy-to-use front-end of  $\text{\LaTeX}$ ). 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. (20 points) Exercise 6.6(a) and (b) on page 301 of Heath book.
2. (20 points) Exercise 6.9 on page 302 of Heath book.
3. (30 points) Computer problem 6.9(a) and (b) on page 304 of Heath book. You can reuse some subroutines from HW2.