

M305G – Precalculus
Summer II 2008
Problem Set 4 – For Study Purposes Only

“We arrive at truth, not by reason only, but also by the heart.” – Blaise Pascal



This is the homework that would have been due Wednesday, if we had homework due Wednesday. Since we have an exam Wednesday, I am instead giving you this “study only” problem set in the hope that you will

- do the problems carefully as if you were going to turn them in,
- check the answers in the back of the book only after you’ve finished a problem (or at least made a serious attempt),
- come and see your friendly instructor if you still have questions.

You’ll notice all the problems on this set are odd-numbered; this is so that you can check your own work (since I won’t be able to do that for you prior to the exam).

Pay particular attention to the “application” problems at the end of each section; there is a very good chance that a variation or extension of one of these problems will be on the exam and will be worth a substantial number of points. The other problems are important as well, but I don’t want to leave the impression that it’s okay to blow off the application problems.

Contrary to what is stated on the course schedule, the first exam will run only through section 3.4. We will not spend time on section 3.5 in this course, but you may want to take some time to familiarize yourself with quadratic inequalities if you plan to take calculus.

Section 3.1: 21, 23, 25, 27, 29, 33, 37, 41, 45, 47.

Section 3.2: 15, 17.

Section 3.3: 25, 27, 33, 37, 41, 43, 47, 57, 89.

Section 3.4: 9, 13, 21.