

# MATH 205 ANNOUNCEMENTS April 24

## Winter 2007

### REVIEW FOR FINAL

The review was held as scheduled. For those who were unable to attend, it covered mainly the 2006 Final Exam. Quizzes 8 and 9 (virtual) were also recommended for further study. It was mentioned that the ancient systems of writing numbers, and also the Mayan system, will *not* be on the final exam. Nothing further will be posted on the website about the review (or solutions) - however note extra office hrs on April 25.

### APRIL 16-26 OFFICE HOURS

April 16,17,18 : PZ Office Hours 11:30 - 13:30

Pieter R (MS 366) : Thursday April 19 14:00-16:00

Friday April 20 13:00-14:00

Monday April 23 10:00-12:00, 13:00-14:00

Adrian T (MS 328): Wednesday April 25, 11:00-15:00

Peter Z Wednesday April 25, 14:00-16:00

ESSAYS : Quite a few are graded and can be picked up in my office during the office hours. Here are the initials of those that are graded but not yet picked up (I hope to have all graded by April 26).

To be picked up :SS, ML, DS, VM, AP, DW, CM, GB, CS, KB, DC  
About 15 more still to be graded.

### TIPS FOR THE FINAL

- 1) The 2006 final exam is posted on the website, good for reviewing.
- 2) Attend the Review on April 24 (see below), or try to find out about it if not able to attend. The 2006 final will be part of the Review.
- 3) At the suggestion of one of your fellow students, here are a few tips about studying the historical part of the course. There is a great deal of material there and you don't have to know all of it, obviously. The following ideas may help with the study for this section.

You should be able to give the name of a famous mathematician from each of the important periods, e.g. antiquity, the dark ages to medieval, etc (see history module sheet), and to know which nations they are from. You should know a little about Hilbert's 23 Problems for the 20th Century, and the 7 Millenium Problems for the 21st century. Also think about those mathematicians whose work had important unifying effects, and about how all of this relates to education in elementary - junior - senior high school. Mathematics education is very different than it was 50 or 100 years ago, when most if not all students studied Euclid. What parts do you think are important and has mathematics education improved? For example today Euclidean geometry has fallen into disfavour - good or bad? Another important topic is the relation and influence of computers in mathematics.

## FINAL EXAM

Thursday, April 26, 12:00-15:00, ICT 121. Seating alphabetical.

Formula Sheet : As mentioned on the Course Outline, a formula sheet is allowed both for the midterm and the final examination. This should be a single standard size sheet of paper, both sides may be used.

Final exam will include one proof by mathematical induction. It will be taken from the sum of the first  $n$  natural numbers, the sum of their squares, the sum of their cubes, the sum of the first  $n$  odd numbers, or the theorem  $2E = \text{sum of vertex degrees}$  for any graph.