Math 152: Elementary Number Theory

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Prerequisites: Almost none; calculus at the level of Calculus AB or Math 19. Interest in problem solving will be great.

Textbook: None. The material will be provided by the LaTeXed lecture notes, uploaded on the course website.

Course website: http://web.stanford.edu/~ctsai1/152/index.html

Homework: Homework will be due weekly on Wednesday in class, from the 2nd week of the quarter to the last week of quarter, excluding the week of midterm.

Normally, no late homework will be accepted. You are encourage to discuss the homework with others, but must write up the solutions in your own words.

Occasionally there will be some problems in the homework that either are more difficult, or require familiarity with material in Math 120, Math 121, some programming, etc. These problems are marked with asterisks (*) and give extra credit; you can therefore earn more than 100% of the credit from each problem set. The total credit you can earn from all problem sets is however still bounded by 50% of the total grade, see below.

We do NOT drop any problem set (with lowest grade or so). If you have a reason that prevents you from completing a problem set, please feel free to communicate with me.


Exams: There will be a midterm exam, scheduled on 2/8(Thurs.), 7-9pm. Please contact me on or before 2/1 if you will need a different arrangement. The final exam is scheduled (by the university) on 3/22(Thurs.), 8:30-11:30am.

Grading: Homework 50%, Midterm 15-25% and Final 25-35%. That is to say, whichever you score higher will get that 10%.

Students with Documented Disabilities: Students who may need an academic accommodation based on the impact of a disability must initiate the request with the Office of Accessible Education (OAE). Professional staff will evaluate the request with required doc-
umentation, recommend reasonable accommodations, and prepare an Accommodation Letter for faculty dated in the current quarter in which the request is being made. Students should contact the OAE as soon as possible since timely notice is needed to coordinate accommodations. The OAE is located at 563 Salvatierra Walk (phone: 650-723-1066, http://studentaffairs.stanford.edu/oae).