

Homework 3

Due date: Monday, 1/26/08

Weight: 8 points.

Name:

Grade:

Your reading assignment is small but important. Read carefully page 8 and the first half of page 9!

(1) Page 4, Exercises 1.1, 1-3

(2) Page 6, Exercises 1.2, #3

(3) Page 7, Exercises 1.3, #1

Go here: http://en.wikipedia.org/wiki/Prime_number#Open_questions

Read the wikipedia page on prime numbers, focussing on the portion called "Open Questions." These are problems we cannot solve having to do with prime numbers. Locate one whose statement, at least, you understand (*not* the Riemann Hypothesis). Phrase it in your own words and turn it in. (Normally this would require proper citation, but in this case citation is understood, so don't worry about it.) For bonus points, include a solution to the problem.