

# CS485/ECE440: Homework 1

August 26, 2008

## General

- This homework is about material covered in Chapter 1 of the text book.
- The answers to this homework are **due September 9, 2008**.
- Submit via e-mail to [riesen@cs.unm.edu](mailto:riesen@cs.unm.edu) (Mail it before class on the 9th.) Your subject line must say: "Homework 1 Submission".
- Keep your answers (and programs) succinct.
- Obey the University rules on plagiarism. In particular, do use libraries and the web to find information you need to answer the questions, but do not copy whole answers or programs. Reference your sources. The work you turn in must be *your* work.

### **Exercise 1:** Round Trip Time (RTT)

Do exercise 1.5 on page 55 in the textbook.

### **Exercise 2:** Delays

Do exercise 1.7 on page 56 in the textbook.

### **Exercise 3:** Addresses

Do exercise 1.10 on page 56 in the textbook.

### **Exercise 4:** Earth/Moon Link

Do exercise 1.15 on page 57 in the textbook.

### **Exercise 5:** Latency

Do exercise 1.18 on page 58 in the textbook.

### **Exercise 6:** Bandwidth

Do exercise 1.20 on page 58 in the textbook.

### **Exercise 7:** Compression

Do exercise 1.23 on page 59 in the textbook.

### **Exercise 8:** Overhead

Do exercise 1.24 on page 59 in the textbook.