

# ASSIGNMENT 1

Due Tuesday, September 7, 2004

**Problem 1:** Prove Theorems I.7 through I.11 on page 18 of the text carefully using only the field axioms and Theorems I.1 through I.6.

**Problem 2:** Prove Theorems I.22 through I.25 on page 20 of the text. Regarding inequalities, be careful to use only the order axioms and Theorems I.16 through I.21.