

**MATH 499/696, SPRING 2010, HOMEWORK 1
DUE FRIDAY 05 FEBRUARY**

Exercise 1. Verify the properties from Facts 1.1.4(d) and 1.1.6(b)–(d).

Exercise 2. Complete Exercise 1.1.31.

Exercise 3. Complete Exercise 1.2.9.

Exercise 4. [Math 696 only] Complete Exercise 1.1.30.