

## Problem Set 4

**Due: At the Beginning of Class on Friday, October 31**

Work all of the following problems. A subset of the problems will be graded. Be sure to adhere to the expectations outlined on the sheet *Guidelines for Problem and Quiz Sets*. All exercises are from the textbook *Proofs and Fundamentals* (Second Edition) by Ethan D. Bloch.

- Exercise 4.4.12
- Exercise 4.4.13
- Exercise 4.5.1
- Exercise 4.5.4
- Exercise 4.5.10 (1)
- Exercise 5.1.1 (1) and (3)
- Exercise 5.1.3 (2), (4), (6)
- Exercise 5.1.4 (2), (4), (6)
- Exercise 5.1.7
- Exercise 5.1.8