

## CMSC/MATH 456, Fall 2009

Homework 4, due at the beginning of class on October 23rd

**Instructions.** The homework should be your own work, without any collaboration or consulting sources such as the Web. Please include partial solutions if you cannot fully solve a problem. Neatly write your solutions and staple your work; late homework will not be accepted. *All problems below are the numbered exercises given in the textbook.*

1. Exercise 4.2. **(5 points)**
2. Exercise 4.3. **(5 points)**
3. Exercise 4.5. **(15 points)**