

CS 2022/ MA 2201 Discrete Mathematics
A term 2011

Homework 3, due Monday, September 19

READING: Chapter 1, 2, 3.

1. Exercise 8 on page 216. (15 points)
2. Describe an algorithm for finding the two smallest integers in a finite sequence of distinct integers. What is the worst-case complexity of your algorithm (counting comparisons only)? (15 points)
3. Exercise 10 on page 79. (20 points)
4. Exercise 20 on page 80. (15 points)
5. Exercise 12 on page 91. (15 points)
6. Exercise 16 on page 91. (20 points)