

## Homework 2

*Due: 20 February 2002*

**Problem 1:** Problem 1.4 (page 84) parts a, b, g, i, j

**Problem 2:** Problem 1.6, part a. Do this problem twice, once producing a NFA via the construction of Theorem 1.22, and again producing a DFA via the cross-product construction from class.

**Problem 3:** Problem 1.7, part a

**Problem 4:** Problem 1.8 (page 85), part b

**Problem 5:** Problem 1.12

**Problem 6:** Problem 1.31 (page 89)