COS 487, September 24, 2003

Due: October 1, 2003

Homework Set 2

When you submit your solutions, please write down your e-mail address on the first page.

Problem 1: 1.12 (b)

Problem 2: 1.14 (b)

Problem 3: 1.15 (b)(d)(f)(h)

Problem 4: 1.16 (b); you may use the algorithm given in class, or the one given in the textbook, or some other method (but including a justification for the method in that case).

Problem 5: 1.39

Problem 6: 1.42

Problem 7: Prove that the language $L = \{1^p \,|\, p : \text{prime}\}$ is not regular.