

CS 1050 Section B, Spring 2001

Extra Credit Homework – due Thursday, April 26

**Problem 1** Exercise 20, page 455.

**Problem 2** Exercise 36, page 456.

**Problem 3** Exercise 36, page 465.

**Problem 4** Exercise 44, page 466.

**Problem 5** Exercise 14, page 474.

**Problem 6** Exercise 12, page 509.

**Problem 7** Exercise 14, page 509.

**Problem 8** Exercise 22, page 510.

**Problem 9** Prove that if a tree has a vertex of degree  $d \geq 2$ , then it must have at least  $d$  leaves (vertices of degree one).

**Problem 10** Supplementary exercise 6, page 589.