Department of Computer Science, University of Houston
COSC 3340 - Exercise Set 5
Fall 08, Due Dec. 1 at 10am.

1. Exercise 4.10 of text.

2. Problem 4.25 of text.

3. Exercise 5.4 of text.

4. Problem 5.12 of text.

5. Consider the language of balanced parentheses generated by the grammar: $S \rightarrow (S)|SS|\epsilon$. Is this language a regular tree language (i.e., is there a nondeterministic bottom-up tree automaton that accepts it)? Prove your answer.