Homework 4

Due Monday, November 1, 1999

1. [13 $\times$ 2 points] 2.3 from text.
2. [3 $\times$ 5 points] 2.4 (a), (e), (f).
3. [14 points] 2.16 from text.
4. [10 points] Prove that context-free languages are closed under reversal. That is, for any context-free L, L^R is also context-free. **Note:** If you provide a grammar G for L^R, I insist on a complete proof that $L(G) = L^R$.