Theory of Computation  
Homework 5.  

Due Date: Wednesday, October 10.  

Chapter 2, Nos. 10(ii,iv), 11c, 12 but for the DFA $M_4$ on page 32 (you may want to consider how difficult it would be to write a regular expression for this language directly), 18(ii) (this should read $A = \{m = n + r \mid m, n, r \in \{0, 1\}^* \text{ and } m = n + r\}$), 22, 24 (look at the sample solution for No. 21).