You must solve all of the following problems completely on your own, using only the textbook, your class notes, and your homeworks as references. You must not discuss these problems with the other students, but you may ask questions in class or office hours. Solutions must be turned in by 5 PM on Friday, March 12. Extensions will be given only in extraordinary circumstances and must be negotiated before the due date if at all possible.

(1) Exercise 2.3.5
(2) Exercise 2.4.2
(3) Exercise 2.4.10, parts (1), (4), (5).
(4) Exercise 2.5.10
(5) Exercise 3.3.14, all six parts.
(6) Exercise 3.3.18, both parts.

Date: March 5, 2010.