Assignment 4

due Tuesday, November 4th

REMINDERS:

Collaboration is allowed (and even encouraged) when working on homework problems. However, each student must write-up and submit an independent solution in his/her own words.

Assignments must be neatly and clearly written in complete, correct English sentences. Homework must be written on the front side of the page only, and multiple pages must be stapled together. Illegible and/or unintelligible solutions will receive no credit.

Homework is due at the beginning of class and late homework will not be accepted.

1. Problem 2.8 # 5.
2. Problem 2.8 # 9.
3. Problem 2.8 # 12. (Problem 2.8 # 4 should read “...and find some $i$ such that $a^{-1}ba = b^i \neq b$, which...” If you wish to use the result of Problem 2.8 # 4, you must first prove it.)
4. Problem 2.9 # 2.
5. Problem 2.9 # 5.
6. Problem 3.3 # 7.