Assignment 1  
due Tuesday, September 9

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 2.1 # 22. Note that you must verify (that is, you can not assume) the two relations in Example 10 given in the sentence “One can verify…”.

2. Problem 2.1 # 24.

3. Problem 2.1 # 28.

4. Problem 2.3 # 16.

5. Problem 2.3 # 17.

6. Problem 2.3 # 28. See # 19 for the definition of $MN$. 