MA415 Exam #1
Review

1. Exam #1 will take place in class on Friday, October 8 and will cover material up to and including Prüfer's Method.

2. Know the definitions (though not necessarily verbatim). Pay particular attention to the difference between walks, paths, trails, closed paths (cycles), and closed trails (circuits).

3. Know the proofs of Theorems 1.1, 1.2, 1.3, 1.7, 1.10, 1.11, 1.12, 1.13, 1.14, 1.17, and 1.18.

4. Be able to carry out the following algorithms:

   (a) Kruskal's Algorithm.
   (b) Going from a labeled tree to its Prüfer code and vice versa.

5. Know how to do the homework problems in homework assignments #1 through #5.