Math 300A&B   Introduction to Mathematical Reasoning   Fall 2009
Assignment #6: Due Wednesday, 11/18/09

Part II:

4. Eccles, page 73, Exercises 6.5, 6.6, 6.7.

5. Prove Theorem 6.3.4(iv) (De Morgan's Laws).

6. Eccles, page 115–116, Problems 3, 4, 6, 7*.

*When Eccles says "by taking complements," he is suggesting a way to prove the second statement of Problem 7 ($A^c \subset B$ if and only if $A \cup B = U$) by using the first statement, together with the properties of Theorem 6.3.4. This should make the proof of the second statement easier than that of the first.