

MA383 - Foundations in Mathematics
Homework Assignment 4
Due *in class* Monday, September 29, 2008

Remember, your writing and presentation will be graded in addition to the correctness of your solution!

Complete the following problems from your book, which include concepts from sections 3.3, 3.4, and 3.5:

- Page 116, problem 4
- Page 116, problems 8(a,c)
- Page 126, problem 6(b)
- Page 139, problem 11(b)
- Page 140, problems 17(b,c)

Note: You may (and should!) use the theorem we proved in class that $\sqrt{2} \notin \mathbb{Q}$, which is Theorem 3.18 in the text.