

# Math 113 Problem Set 12

Due Friday, December 12, 2003

1. Bak and Newman, Chapter 15, problem 1.
2. Bak and Newman, Chapter 15, problem 3. (Part of the problem is to make the statement more precise.)
3. Bak and Newman, Chapter 16, problem 4.
4. Bak and Newman, Chapter 16, problem 5.
5. Bak and Newman, Chapter 16, problem 6. (There are several ways to do this; you could follow the hint suggested in the problem, or you could use the Riemann mapping theorem.)
6. Bak and Newman, Chapter 16, problem 9.
7. (optional) Bak and Newman, Chapter 16, problem 8.