Assignment 4, Math 8425, Complex analysis I  
Spring 2010, Dr. Tanya Christiansen

Turn in on Wed. March 3.

Comment: For any problems assigned from Conway that assume a curve is rectifiable, you may substitute the assumption that the curve is piecewise $C^1$.

Please read through this assignment to make sure you understand which problems you need to turn in. If in doubt, ask!

Part 0.

Do not turn in, but be sure you can do:

p. 110, # 1 (parts not listed to be turned in), 6

Part 1. Selected problems from here will be graded.

p. 110-112, # 1 (a,b,f,h), 4, 13, 17

A) Adapted from Lang: Suppose $f$ is a meromorphic function on $\mathbb{C}$, but is not an entire function. Show that $e^f$ is not a meromorphic function on $\mathbb{C}$.

Coming up:
Exam 1: Monday, March 15