

M555 - Introduction to Complex Variables - Winter 2009

Assignment # 8.

Due: Thursday, March 19, 2009.

From the Textbook:

p.230 – Problems 2, 4, 5.

p.233 – Problems 1, 2.

p.238 – Problems 1, 3, 4.

Additional Problem :

A Let $f(z)$ be an analytic function that maps the unit disc to the unit disc. Assume $f(0) = 0$. Show that $|f(z)| \leq |z|$ for $|z| \leq 1$.