

Math 185—Introduction to Complex Analysis
Haiman, Summer 2014

Problem Set 9

Due Wednesday, August 13

This is a short problem set on material we will cover in class on Monday, August 11 and perhaps part of Tuesday.

The Final Exam will be held in class on Thursday, August 14, covering all topics on which homework has been assigned, with greater emphasis on material not already covered on the Midterm.

On Tuesday and Wednesday I plan to discuss a special topic: the Riemann zeta function. You will not be responsible for this topic on the final exam, but I think that you will find it interesting, and the discussion will also serve as a review, since we will use methods which we covered earlier in the course.

Exercises from the textbook:

121.2 (hint: use $w = \sin z$)

126.4 (hint: use $w = z^4$)

126.7 (hint: use $w = \sin z$ again)