Problem Set 9 (§5.1.2–5.2.4)   Math 660

Due Monday, August 22, 2011   Jim Fowler

Different problems may be assigned!

This is probably not the final version! The problems assigned on this homework set are subject to change! The final version of Problem Set 9 will probably be ready by August 16, 2011.

Problem 1

Page 184, problem 5 in Ahlfors' *Complex Analysis.*

Problem 2

Page 184, problem 2 in Ahlfors' *Complex Analysis.*

Problem 3

Page 186, problem 4 in Ahlfors' *Complex Analysis.*

Problem 4

Page 186, problem 5 in Ahlfors' *Complex Analysis.*

Problem 5

Page 190, problem 1 in Ahlfors' *Complex Analysis.*

Problem 6

Page 190, problem 5 in Ahlfors' *Complex Analysis.*

Problem 7

Page 190, problem 4 in Ahlfors' *Complex Analysis.*

Problem 8

Page 190, problem 1 in Ahlfors' *Complex Analysis.*

Problem 9

Page 190, problem 4 in Ahlfors' *Complex Analysis.*

Problem 10

Page 193, problem 1 in Ahlfors' *Complex Analysis.*

Problem 11

Page 193, problem 2 in Ahlfors' *Complex Analysis.*

Problem 12

Page 193, problem 5 in Ahlfors' *Complex Analysis.*

Problem 13

Derive various expansions.

Problem 14

Page 200, problem 2 in Ahlfors' *Complex Analysis.*

Problem 15

Page 200, problem 1 in Ahlfors' *Complex Analysis.*