

## Problem Set 2 (§2.2.5–3.2.1)

Math 660

Due Monday, July 4, 2011

Jim Fowler

### Show Work

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When you “solve” a problem, the goal is not merely to give a correct answer! Each problem has a story, and you should *tell the story* by clearly explaining your argument.

### Problem 1

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Page 41, problem 8 in Ahlfors' *Complex Analysis*.

### Problem 2

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Page 41, problem 9 in Ahlfors' *Complex Analysis*.

### Problem 3

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Page 41, problem 2 in Ahlfors' *Complex Analysis*.

### Problem 4

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Page 41, problem 5 in Ahlfors' *Complex Analysis*.

### Problem 5

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Page 41, problem 4 in Ahlfors' *Complex Analysis*.

### Problem 6

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Page 41, problem 3 in Ahlfors' *Complex Analysis*.

### Problem 7

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Page 41, problem 1 in Ahlfors' *Complex Analysis*.

## Problem 8

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Page 53, problem 5 in Ahlfors' *Complex Analysis*.