Mathematics 3410 3.0 Winter 2010 Assignment 2 Due Thursday, February 6, 2020

Chapter 5: 1-7

Let w = f(z) be a function on a domain D such that the absolute value |f| of f is holomorphic on D. Prove that f is a constant function on D. (This is a stronger result than the one given in Chapter 5 (8). In what sense is it stronger?)

Chapter 6: 1-3

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