

Math 4450: Homework 5

Due September 30, 2009

Written problems

1. 2.5: 8
2. 3.1: 7

Problems

1. If the following functions were polynomials in z , what polynomials would they be?
 - (a) $\frac{1}{1-z}$
 - (b) $\ln(1-z)$
 - (c) e^{1-z} .
2. 2.5: 10, 12, 14
3. 3.1: 4, 6, 17