

Math 4213 - Complex Analysis

Quiz #11 - 2012.02.08

Name: _____

1. Why do we need to define a principal value for the logarithmic function?

2. Find a value for partial sum

$$S_n = \sum_{k=0}^n \left(\frac{1}{k+1+i} - \frac{1}{k+i} \right)$$