Homework 5

Due Tuesday, February 28 at 10pm. Please upload a legible pdf to Gradescope.

You may work together, but the solutions must be written up in your own words.

refer to Brown and Churchill, Ninth Edition

Hand in:

 $\$46 \ \#1, 2, 3, 4, 5, 6, 8, 9, 13$ Show all work. Do not use the theorem of \$48.

 $\frac{\text{Additional } \#1}{\text{Define a smooth arc which:}}$

a) follows a circle centered at 1 + i from 2 + 2i to $1 - \sqrt{2} + i$

b) follows a straight line from i to -1 - i.

Justify that each arc is smooth.

Recommended, but don't hand in:

46 All the rest