M415 HOMEWORK ASSIGNMENTS

Please write up your answers clearly—the grader needs to be able to read your work!

All sections/page numbers refer to COMPLEX VARIABLES AND APPLICATIONS, 9th edition, by Brown and Churchill.

ASSIGNMENT 1. Due Friday, January 17 at the beginning of class
Sect. 1.2, pg. 5: 2, 4
Sect. 1.3, pg. 7-8: 1, 4
Sect. 1.5, pg. 13: 1a, 1b, 3, 5
Section 1.6, pg. 16: 1, 7, 9

ASSIGNMENT 2. Due Friday, January 24 at the beginning of class
Sect. 1.9, pg. 23-25: 1, 5c, 5d, 9
Sect. 1.11, pg. 30-31: 1, 4*, 6, 7, 8
Sect. 1.12, pg. 34-35: 5, 7

Problem A: Sketch each of the sets given in Problem 1 on page 34, and state whether the given set is open, closed or neither.

* For problem 4 on page 31, you do not need to identify the “principal root.”