

DEPARTMENT OF MATHEMATICS, UNIVERSITY OF UTAH
Applied Complex Variables and Asymptotic Methods
MATH 6720 – Section 001 – Spring 2023
Homework 4
Residue Calculus

Due: Monday, March 27, 2023

Below, problem C in section A.B is referred to as exercise A.B.C.

Text: *Complex Variables: Introduction and Applications*, Ablowitz & Fokas,

Exercises: 4.1.1, parts (b), (d), and (e)
4.1.2, parts (b) and (c)
4.1.8
4.2.1, parts (b) and (d)
4.2.2, parts (a), (d), and (g)
4.2.5
4.2.7

Submit your homework assignment on Canvas via Gradescope.