

DEPARTMENT OF MATHEMATICS, UNIVERSITY OF UTAH  
**Applied Complex Variables and Asymptotic Methods**  
**MATH 6720 – Section 001 – Spring 2023**  
**Homework 6**  
**Computing Integrals**

**Due: Tuesday, April 25, 2023**

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

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

Exercises: 5.7.1  
5.7.5  
6.1.1  
6.1.2  
6.2.2  
6.2.3  
6.2.5  
6.3.1  
6.3.3

Submit your homework assignment on Canvas via Gradescope.