

**THE CHINESE UNIVERSITY OF HONG KONG**  
**Department of Mathematics**

**MATH2230 Complex Variables with Applications**  
**2024-2025 T2**

**Homework 12**  
**Due time: 23rd April 2025, 23:59**

All problems are taken from COMPLEX VARIABLES AND APPLICATIONS,  
Ninth Edition, by James Ward Brown/Ruel V. Churchill.

P.282: 1, 2

P.287: 2, 3

P.293: 5, 6, 8, 9

**Practice Problems (Do not turn in)**

P.283: 4, 5, 6

P.287: 6