

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

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

**Homework 10**  
**Due time: 9th April 2025, 23:59**

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

P.237: 2  
P.238: 7  
P.242: 1.(a), 1.(c), 2.(a), 2.(c), 4  
P.246: 1  
P.247: 5  
P.253: 1

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

P.247: 8  
P.254: 8, 10