

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

**MATH2230 Complex Variables with Applications**  
**Second term 2023-24**

**Homework 5: due March 27**

All problems are taken from *Complex Variables and Applications*,  
Ninth Edition, by James Ward Brown/Ruel V. Churchill.

P.205: 4, 5, 7  
P.218: 1, 2, 5  
P.242: 1, 2, 4  
P.246: 1, 3  
P.253: 8

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

P.207: 8, 9, 10  
P.219: 4, 6, 10  
P.246: 2  
P.254: 10