

注意：請在 Due Date 之前將作業繳交給助教 [蔡誌軒](#) 同學 (Email: L18071023@mail.ncku.edu.tw ; 數學系 4 樓 415 研究室)

Problem Set	Exercises	Due Date
1	<ul style="list-style-type: none"> • Find the fifth roots of $3 + 3i$. • Section 1.1.4 (p. 9): 3, 4 • Section 1.1.5 (p. 11): 1, 4 • Section 1.2.2 (p. 16): 5 • Section 1.2.3 (p. 17): 1, 2 • Section 1.2.4 (p. 20): 1, 2 	3/8/2024
2	<ul style="list-style-type: none"> • Section 2.1.2 (p. 28): 2, 4, 7 • Section 2.1.4 (p. 32): 2, 3, 6 • Section 2.2.3 (p. 37): 3, 5 • Section 2.2.4 (p. 41): 2, 4, 6, 8 	3/22/2024
3	<ul style="list-style-type: none"> • Section 2.3.2 (p. 44): 1 • Section 2.3.4 (p. 47): 5, 6, 10 • Section 3.1.2 (p. 53): 1, 7 • Section 3.1.3 (p. 58): 3, 4 • Section 3.1.4 (p. 63): 3, 4 • Section 3.1.5 (p. 66): 1, 3 • Section 3.2.2 (p. 72): 1, 2 	3/29/2024
4	<ul style="list-style-type: none"> • Section 4.1.3 (p. 108): 1, 2, 3, 4, 6 • Section 4.2.2 (p. 120): 1, 3 	4/10/2024
5	<ul style="list-style-type: none"> • Section 4.2.3 (p. 123): 1, 2, 3, 5 • Section 4.3.2 (p. 130): 1, 2, 3, 4 	4/18/2024
6	<ul style="list-style-type: none"> • Section 4.3.3 (p. 133): 1, 2 • Section 4.3.4 (p. 136): 1, 2 	4/22/2024
7	• As in Complex Analysis II Problem Set 7	5/27/2024
8	• As in Complex Analysis II Problem Set 8	5/27/2024
9	<ul style="list-style-type: none"> • Section 4.5.2 (p. 154): 1, 2 • Section 4.5.3 (p. 161): 1 (b, e, f only), 3 (c, d, e, g, h) 	6/7/2024

10	<ul style="list-style-type: none">● One extra problem as in Complex Analysis II Problem Set 10● Section 5.1.2 (p. 184): 3● Section 5.1.3 (p. 186): 4● Section 5.2.1 (p. 190): 1, 5	6/7/2024
11	<ul style="list-style-type: none">● Section 5.2.2 (p. 193): 1● Section 5.2.3 (p. 197): 1, 3● Section 5.2.4 (p. 200): 1, 2	