

1. Exercise 1 of Chapter 6 of the Textbook.

2. Exercise 5 of Chapter 6 of the Textbook.

3. Exercise 6 of Chapter 6 of the Textbook.

4. Exercise 17 of Chapter 6 of the Textbook.

(Typo in the book. The results that exercise 17 part (b) wants you to prove should be

$$\left. \begin{array}{l} I(0) = f(0) \text{ and} \\ I(-n) = (-1)^n f^{(n)}(0) \end{array} \right\}$$

)

(End)