Calculus II, Spring 2022 (http://www.math.nthu.edu.tw/~wangwc/)

Homework Assignment for Week 03

- 1. Section 10.5: Odd numbered problems in problem 17-43, 48, 53, 54.
- 2. Section 10.6: Problems 9, 11, 25, 26, 28, 29, 30, 35, 39, 41, 43, 49, 53, 63.
- 3. Section 10.7: 7, 11, 15, 19, 23.
 Hint: To find the radius of convergence for ∑a_nxⁿ, one can apply ratio test or root test to ∑|a_nxⁿ|. (why?)
- 4. Section 10.7: Find the first few terms of the power series representation of

$$\frac{1-x^2+x^4-\cdots}{1-\frac{x^2}{2!}+\frac{x^4}{4!}-\cdots}.$$