Calculus II, Fall 2014 (http://www.math.nthu.edu.tw/~wangwc/)

Homework Assignment for Week 03

- 1. Section 10.8: Problems 7, 9, 29, 33, 35, 41.
- 2. Let

$$f(x) = \begin{cases} 0, & x = 0\\ e^{-1/x^2}, & x \neq 0 \end{cases}$$

it is known that $f^{(n)}(0) = 0$ for all n. Verify this for f'(0) and f''(0).

3. Section 10.9: Problems 7, 9, 17, 19, 33, 41, 42, 50(a).