Homework Set 6

DUE: MARCH 11, 2019 (AT THE BEGINNING OF CLASS)

To be handed in

Please write your solutions to Problem 1 on a single sheet of paper! 1. Compute the first derivative of the following functions: a) $f(x) = \frac{\ln(x)}{x^2 + 1}$ b) $A(x) = x^3 e^x \cos(x)$ c) $h(x) = \sqrt{2x^3 + 3x^2}$

- 3. Textbook (5th edition) Section 3.3, Exercises 1-6, 39-44, 85, 86, 92
- 4. Textbook (5th edition) Section 3.4, Exercises 1-6, 11-16, 35-37