MAT175, Spring 2019   **Renato Ghini Bettiol**

Homework Set 11

Due: May 6, 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 following indefinite integrals:

   a) $\displaystyle\int x^5 - 9x^2 + \sqrt{x} + 1 \, \mathrm{d}x$

   b) $\displaystyle\int \cos(x) - 2\sin(x) + \frac{2}{\sqrt{5}} e^x \, \mathrm{d}x$

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3. Textbook (5th edition) Section 5.1, Exercises 1, 2, 5 − 7, 16 − 20, 24 − 26, 32, 34, 36, 43, 44, 53 − 55, 63 − 66, 85

4. Textbook (5th edition) Section 5.2, Exercises 33 − 36, 41 − 44