MAT176, Spring 2019   **Renato Ghini Bettiol**

Homework Set 2

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

To be handed in

Please write your solution to Problem 1 on a single sheet of paper!

1. Compute the following integrals (you must show all your work!):

   a) $\displaystyle\int e^{-t} \cos t \,\mathrm{d}t$

   b) $\displaystyle\int \sin^4 x \cos^3 x \,\mathrm{d}x$

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2. Textbook (5th edition) Section 8.2, Exercises 11-16, 19, 20, 27-30, 33, 69-71

3. Textbook (5th edition) Section 8.3, Exercises 5, 6, 7, 9, 14, 17, 33, 34, 35, 39