

Homework Set 4

DUE: FEB 25, 2019 (AT THE BEGINNING OF CLASS)

To be handed in

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

1. What is the volume of the solid obtained by revolving about the x -axis the region bounded by the graph of $f(x) = e^x$ and the vertical lines $x = 0$ and $x = \ln 3$?
2. Textbook (5th edition) Section 7.1, Exercises 17-20, 33-35, 48, 51
3. Textbook (5th edition) Section 7.2, Exercises 1-8