Homework Set 5

DUE: MARCH 4, 2019 (AT THE BEGINNING OF CLASS)

To be handed in

Please write your solution to Problem 1 on a single sheet of paper! 1. Set up (but no need to evaluate!) the integral that computes the volume of the solid obtained by revolving the region bounded by the parabola $y = -\frac{x^2}{16}$ and the line y = -1 about the following lines: a) y = -1b) y = -2c) y = 1d) x = 5e) x = -6

- 2. Textbook (5th edition) Section 7.2, Exercises 9, 10, 19-22, 31, 32
- 3. Textbook (5th edition) Section 7.3, Exercises 1-8, 15-20, 47, 48, 57