Math 2D − Suggested Homework 10

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Reading: Sections 15.6. You **don't** need to know the definition of the integral or Fubini's theorem (but of course know how to use it) and you don't need to know the names of the regions (and personally I find the formulas on page 1031 confusing). Finally, the only applications you need to know are Formula 12 on page 1034 (volume) and the average value (exercise 53), you are **not** responsible for moments, center of mass, etc.

Note: The final exam covers everything we've learned in this course, up to and including Example 5 in section 15.6. I will send out a study guide and a practice exam sometime this or next week. The last three lectures will be a review of the course. Congratulations, you've learned everything there's to know in the class, I am so proud of you!

- **Section 15.6:** 22, 28, 31, 33, 35, 53, 54

  (also 1, 8, 10, 13, 14, 15, 17, 18, 19, 20 if you haven't done so already)