

## Homework Due Wednesday March 20

1. Read section §11.7 pages 681–683 on improper integrals.
2. Page 683 #1. In all these problems you should include a sketch of the graph of the function and explain why the integral is improper. (That is is it improper because the domain is unbounded, or is it improper because the function becomes unbounded.)
3. Page 648 #3 (You can use `simpson.ms` to approximate the integrals  $\frac{1}{\sqrt{2\pi}} \int_{-b}^b e^{-x^2/2} dx$ )
4. Problem #1 on the worksheet.

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