Integration over more general domains

Reading

Sections 16.4

Problems

- Practice Problems 16.4: 1, 3, 7, 9, 13, 15, 19
- Problems to turn in 16.4: 2, 4, 8, 12, 16
- Optional 16.4: 23, 24

Topics to know

1. Polar coordinates change.
2. Formula for a double integral in polar coordinates.
3. Examples.
4. Using polar coordinates to compute $\int_{-\infty}^{\infty} e^{-x^2} dx$.