Homework 10

Math 262

due at classtime on Tuesday, December 6

Write your solutions to the following problems clearly and neatly. Make sure to explain your reasoning and provide mathematical details that support your answers. For a few tips on writing solutions, see this helpful guide for mathematical writing.

You may write or type your solutions electronically, or write them on paper and scan or photograph them. Upload a single file containing your solutions to the $\underline{\text{Homework } 10}$ assignment on Moodle.

Book Problems

- Section 4.2 #30, 31, 39 (pages 262–264)
- Section 4.3 #43(ab), 57, 59, 60, 62, 64 (pages 272–277) *Hint*: In #59(a), don't forget how to complete the square. Also recall that $\int_{-\infty}^{\infty} e^{-u^2} du = \sqrt{\pi}$.
- Section 4.4 #73, 76, 79 (pages 286–289)