

Homework 14

Math 262

Write your solutions to the following problems and turn them in to the homework mailbox (RMS level 3, near the fireplace) by 4:00pm on **Monday, November 25**.

Book Problems

- Section 4.3 #57, 60, 62, 64 (pages 272–277)
- Section 4.4 #68, 69, 73, (pages 286–289)

Hint: For #68, recall that $f_X(x) = 10kx^2 + 0.05$, for $20 \leq x \leq 30$, where $k = \frac{3}{380,000}$. By symmetry of X and Y , $f_Y(y)$ is nearly the same.