## Homework 14

 $\begin{array}{c} {\rm Math}~262 \\ {\rm due}~5:00{\rm pm}~{\rm on}~{\rm Monday},~{\rm November}~2 \end{array}$ 

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  $\underline{\text{Homework } 14}$  assignment on Moodle.

## **Book Problems**

- Section 4.2 #39 (page 264)
- Section 4.3 #43(ab), 54, 57, 60, 62, 64 (pages 272–277)