

Algebraic Topology (Fall 2025): Homework 6

- You **must email your submission** as a **PDF file** to kbala@wsu.edu. You are welcome to write answers by hand, and scan or take photos of the writings. Put all the images on a PDF file, though.
- Your file name should identify you **in the following manner**. If you are Steamy Ray Vaughan, you should name your submission SteamyVaughan_Hw6.pdf (and **NOT** “Steamy Vaughan*.pdf” or Steamyvaughan_*.pdf or ...). **Please avoid white spaces in the file name :-).**
Yeah—Steamy is popular, so gets the spotlight for one more week!
- **Begin the SUBJECT of your email submission with the same FirstnameLastname, expression, e.g., “SteamyVaughan Hw6 submission”.**
- The book of Munkres (Elements of Algebraic Topology) is denoted [M].
- **This homework is due by 11:59 PM on Thursday, November 6.**

1. (25) [M] Problem 2, Page 70.
2. (30) [M] Problem 3, Page 70.
3. (20) [M] Problem 1, Page 83.
4. (25) [M] Problem 1, Page 88.