

Introduction to Analysis I (Fall 2025): Homework 10

- LSIRA stands for the textbook (Lindstrøm: Spaces An Introduction to Real Analysis).
- You **must email your submission as a PDF file** to kbala@wsu.edu. You are welcome to write answers by hand, and scan the writings.
- **If you use \LaTeX to typeset your homework submission, you will get 5 extra points!** You could use a \LaTeX locally on your computer or use a web service, e.g., Overleaf. Sorry, but using MS Word does not count here!
- Your file name should identify you in the following manner. If you are Scott Tenorman, you should name your file ScottTenorman_Hw10.pdf (and **NOT** options such as Scott.Tenorman_Hw10.pdf or Scotttenorman* or Hw10_ScottTenorman* or ...). You are welcome to add anything more to your filename *after* these terms, e.g., ScottTenorman_Hw10_Math401.pdf. Please avoid white spaces in the file name; TIA!
- **Begin the SUBJECT of your email submission with the same FirstnameLastname, e.g., “ScottTenorman Hw10 submission”.**
- The total points (given in parentheses) add up to 100.
- **This homework is due in my email inbox by 10:00 PM on Thursday, November 13.**

1. (25) LSIRA Section 3.6 Problem 5 (Page 71).
2. (25) LSIRA Section 4.1 Problem 2 (Page 80).
3. (25) LSIRA Section 4.1 Problem 4 (Page 80).
4. (25) LSIRA Section 4.2 Problem 2 (Page 85).