

Introduction to Analysis I (Fall 2025): Homework 3

- 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 L^AT_EX to typeset your homework submission, you will get 5 extra points!** You could use a L^AT_EX 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 Wendy Testaburger, you should name your submission WendyTestaburger_Hw3.pdf (and **NOT** Wendy_Testaburger*, or Testaburger-Wendy*, or Hw3_wendytestaburger*,...). You could add anything more to your filename *after* these terms, e.g., WendyTestaburger_Hw3_Math401.pdf. **Please avoid white spaces in the file name :-).**
 - **Begin the SUBJECT of your email submission with the same FirstnameLastname, e.g., “WendyTestaburger Hw3 submission”.**
 - The total points (given in parentheses) add up to 130.
 - **This homework is due in my email inbox by 5:00 PM on Thursday, September 11.**
0. If you have **still not** met me (on Zoom or in person) for Homework 1 Problem 1, you can do so and get the credit for that problem now.
1. (20) LSIRA Section 1.5 Problem 3 (Page 20).
 2. (30) LSIRA Section 1.5 Problem 6 (Page 20).
 3. (25) LSIRA Section 1.5 Problem 7 (Page 20).
 4. (25) LSIRA Section 1.6 Problem 3 (Page 22).
 5. (30) LSIRA Section 1.6 Problem 5 (Page 22).