Brief solutions to selected problems in homework 04

1. Section 10.3: Solutions, common mistakes and corrections:

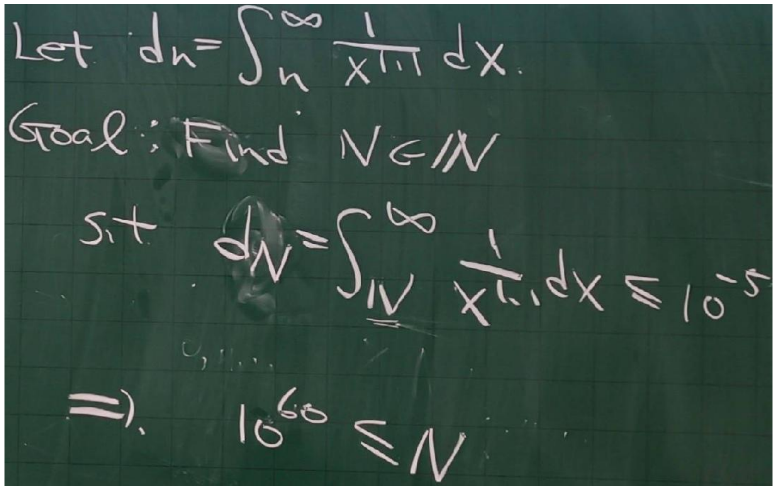

Figure 1: Solution to Section 10.3, problem 51

2. Section 10.6: Solutions, common mistakes and corrections:

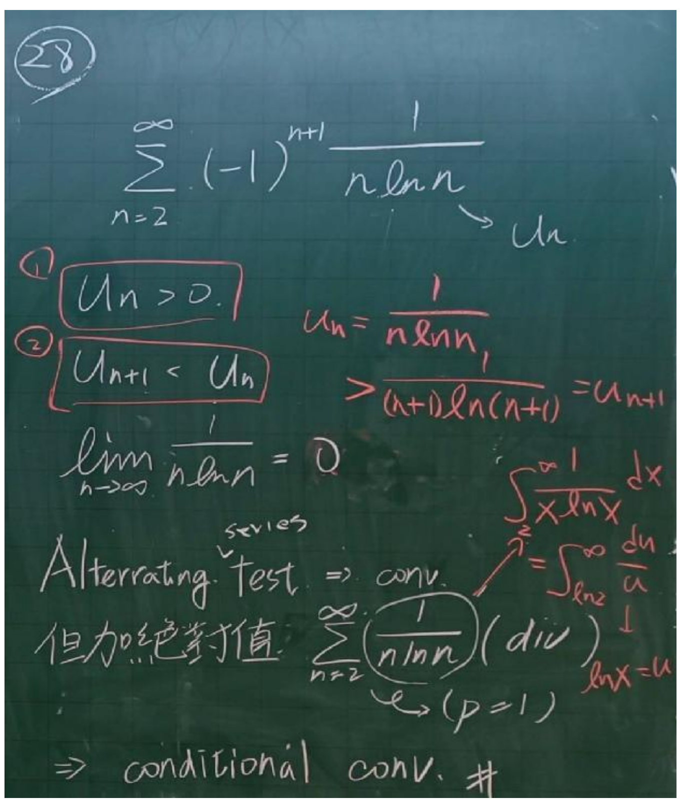

Figure 2: Solution to Section 10.6, problem 28

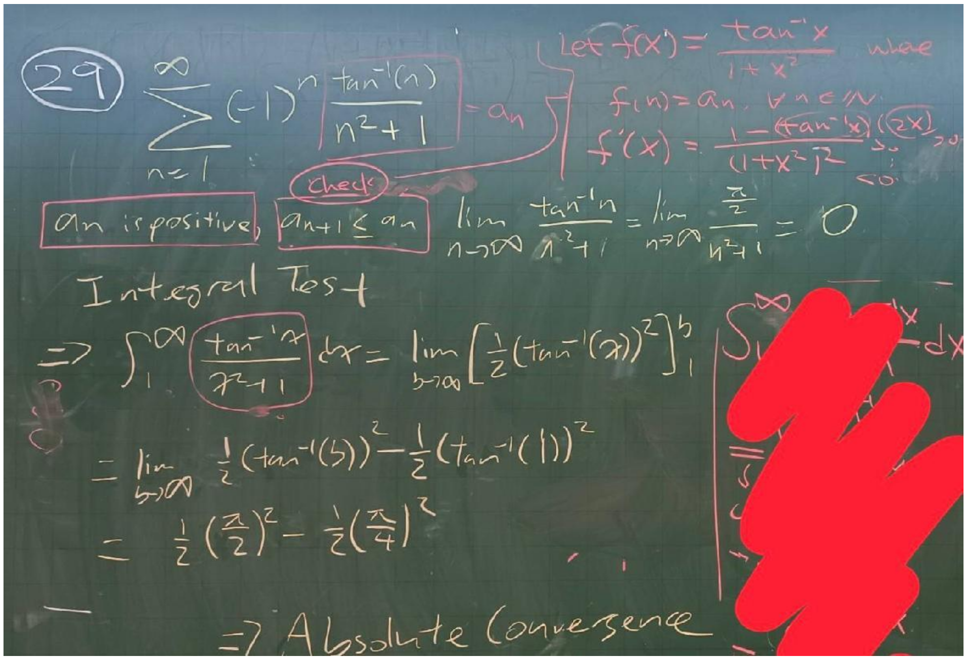

Figure 3: Solution to Section 10.6, problem 29

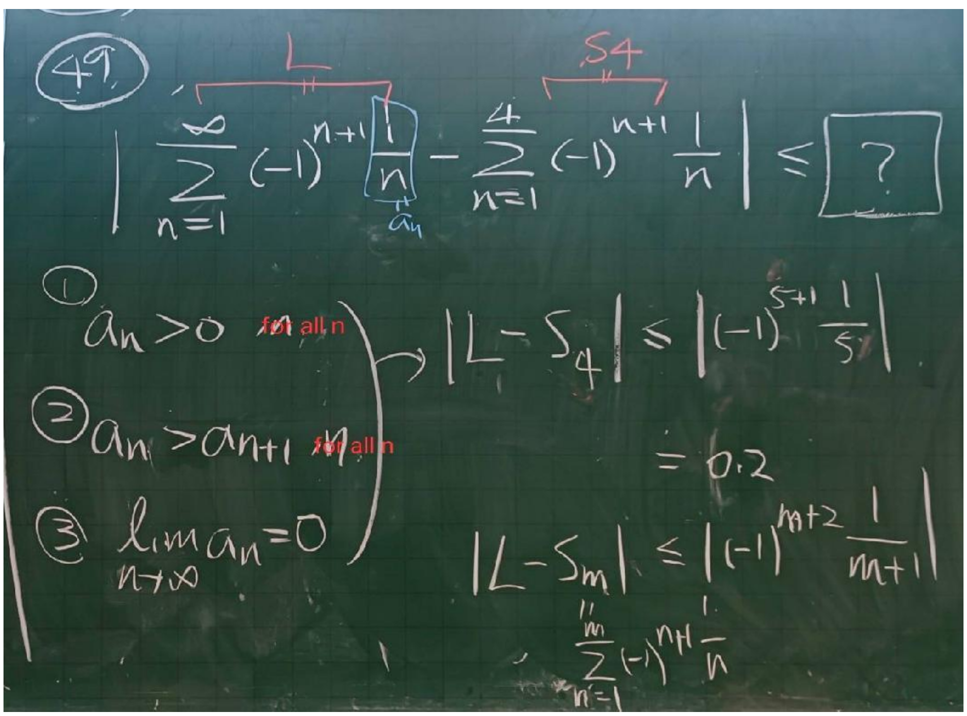

Figure 4: Solution to Section 10.6, problem 49

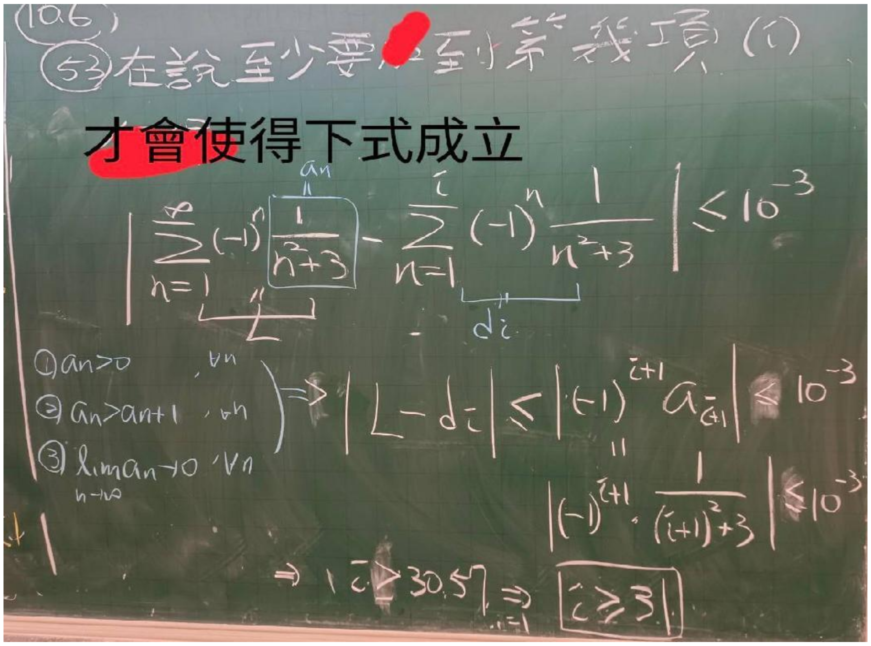

Figure 5: Solution to Section 10.6, problem 53

3. Section 10.7: Solutions, common mistakes and corrections:

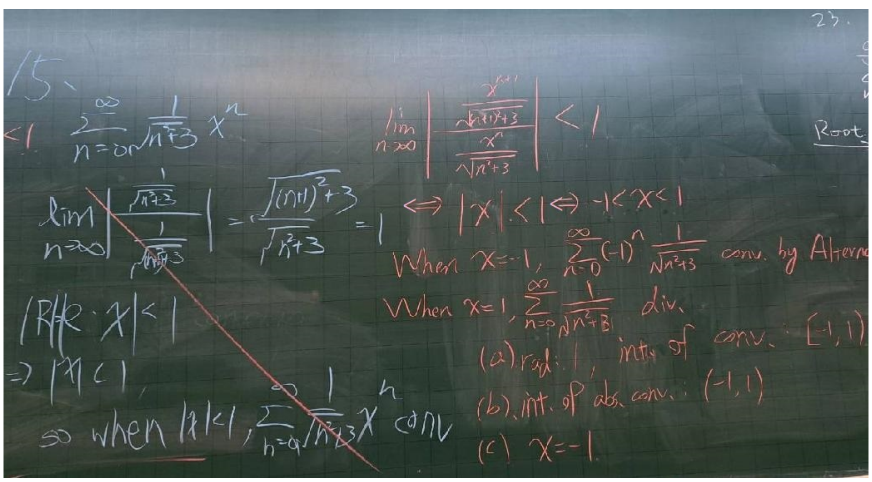

Figure 6: Solution to Section 10.7, problem 15

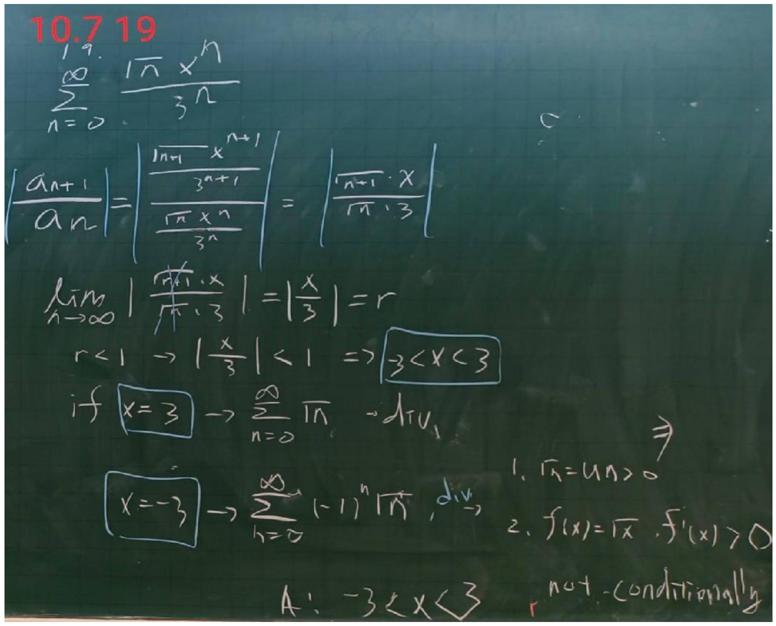

Figure 7: Solution to Section 10.7, problem 19

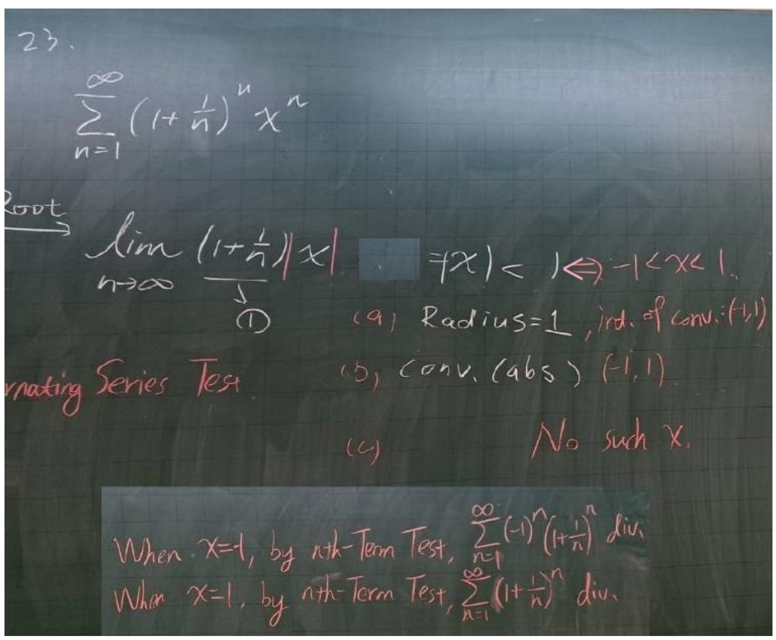

Figure 8: Solution to Section 10.7, problem 23

4. Homework 04, problem 4:

   See page 7 of Lecture 07 for a similar problem. What is the center of the power series for this problem?