Brief solutions to selected problems in homework 02

1. Section 10.1: Solutions, common mistakes and corrections:

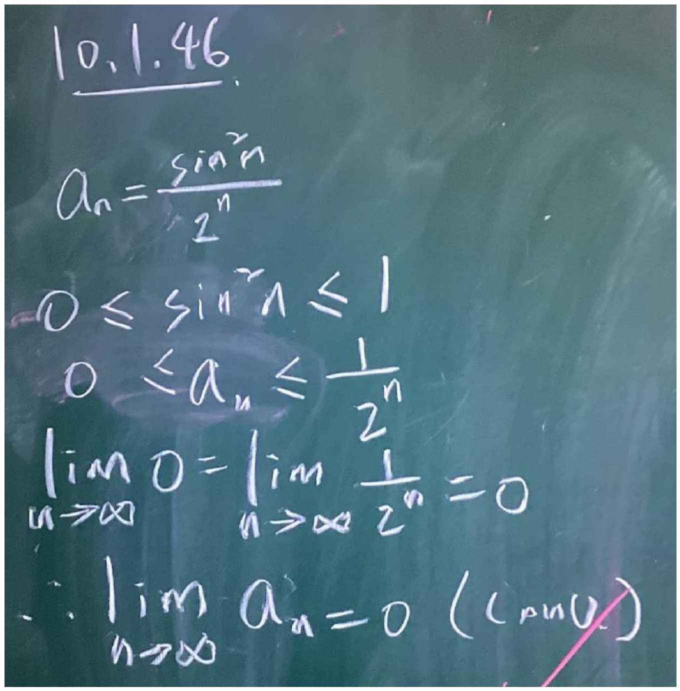

Figure 1: Solution to Section 10.1, problem 46

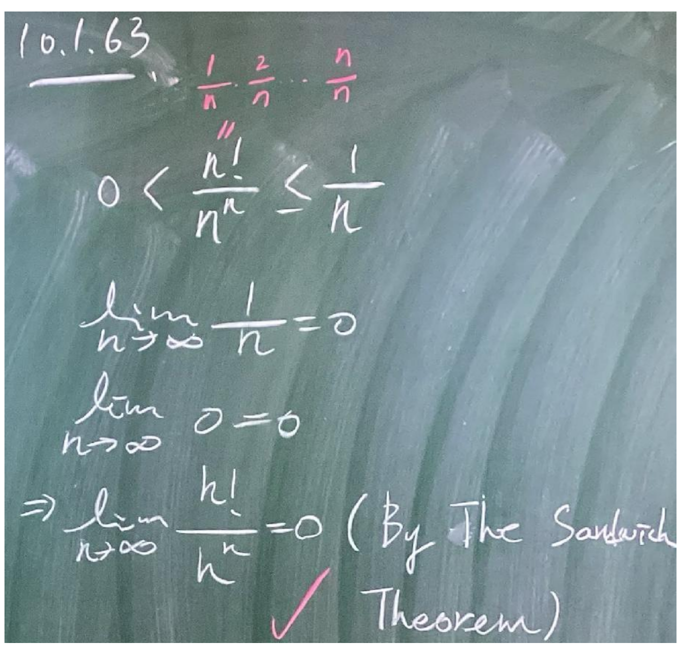

Figure 2: Solution to Section 10.1, problem 63

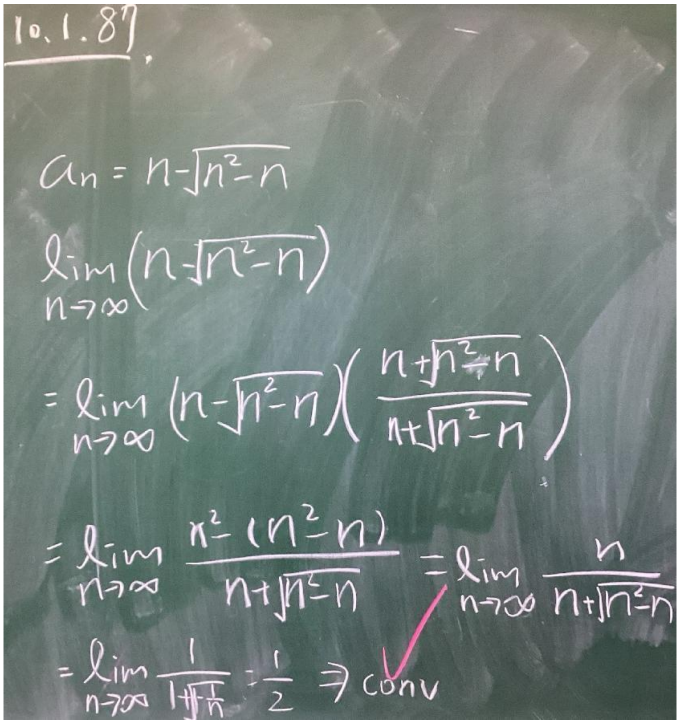

Figure 3: Solution to Section 10.1, problem 87

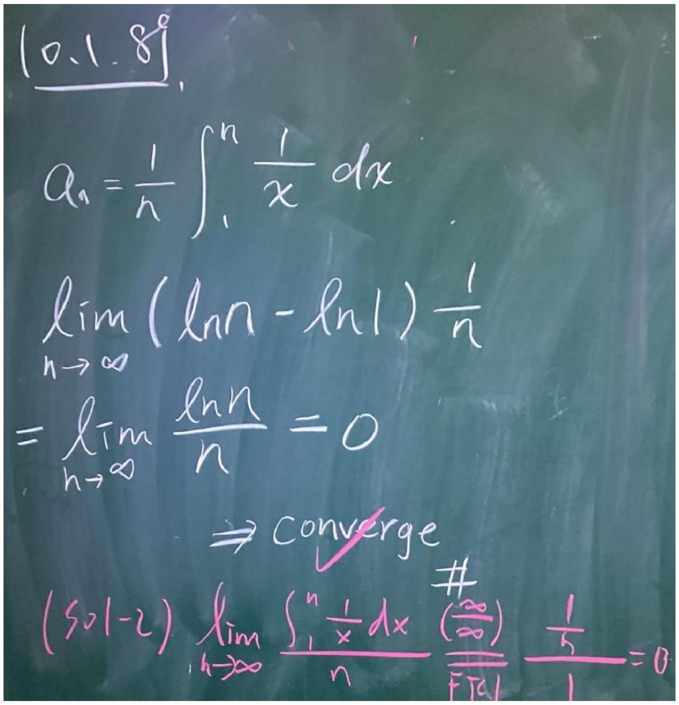

Figure 4: Solution to Section 10.1, problem 89

2. Section 10.2: Solutions, common mistakes and corrections:

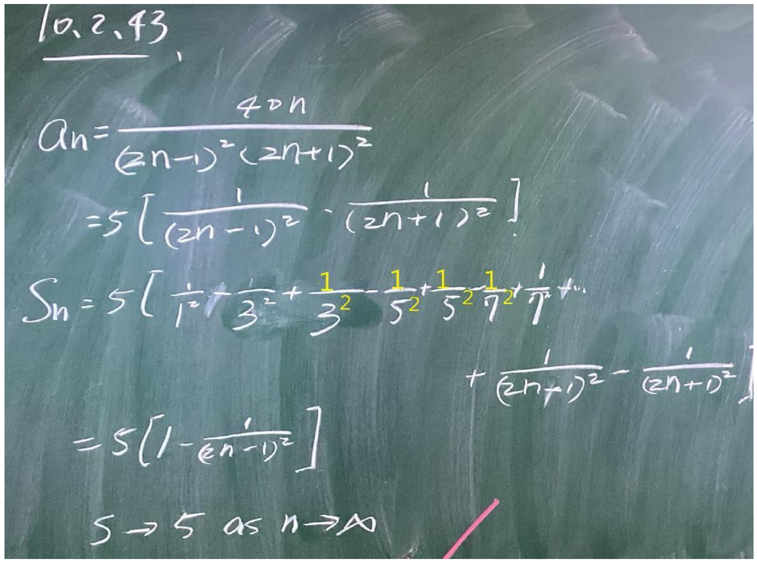

Figure 5: Solution to Section 10.2, problem 43

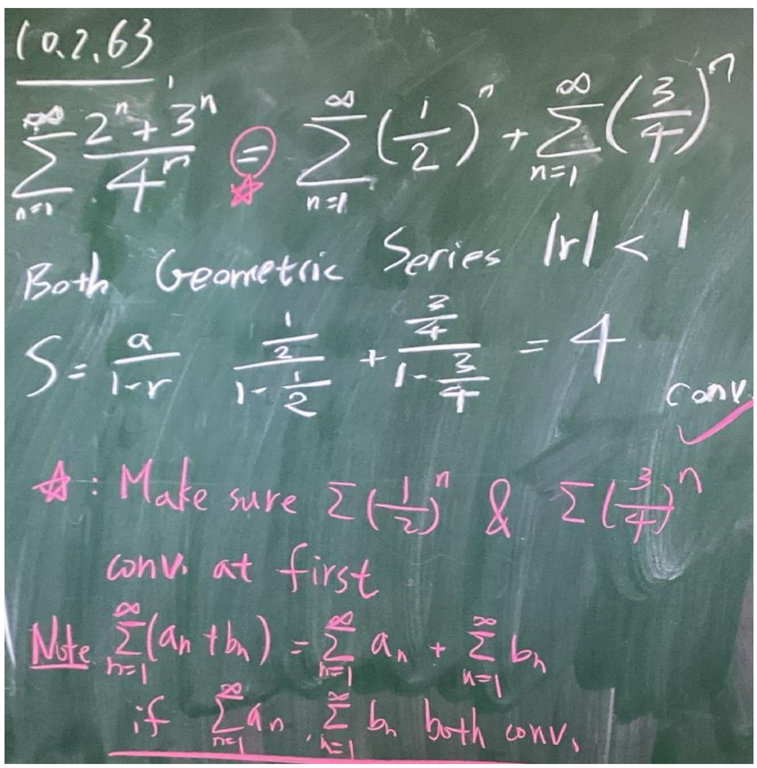

Figure 6: Solution to Section 10.2, problem 63

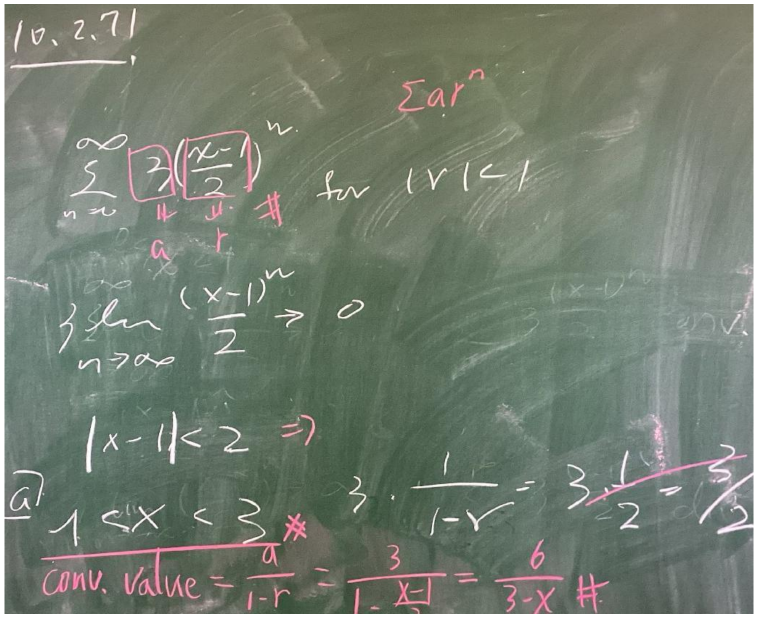

Figure 7: Solution to Section 10.2, problem 71

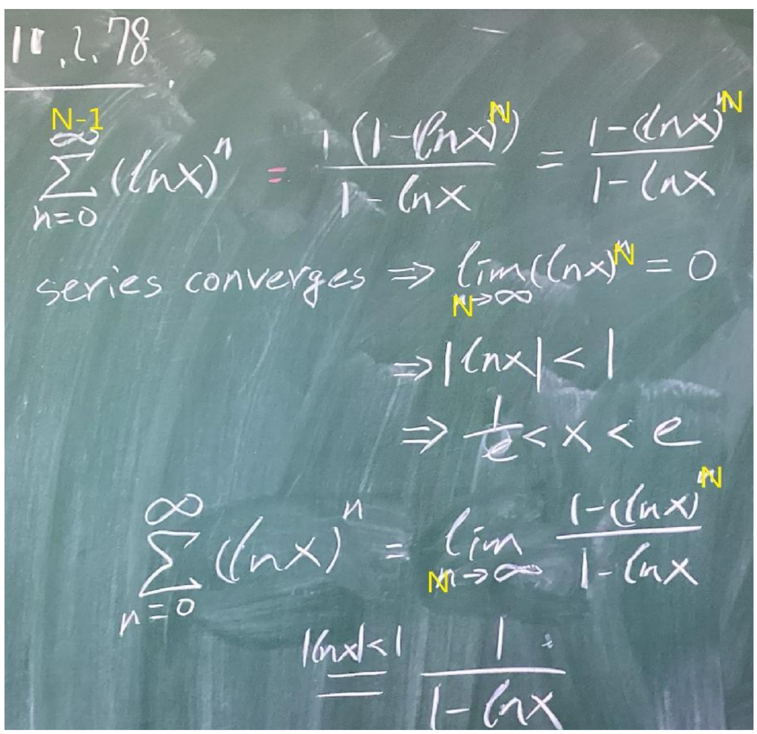

Figure 8: Solution to Section 10.2, problem 78

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

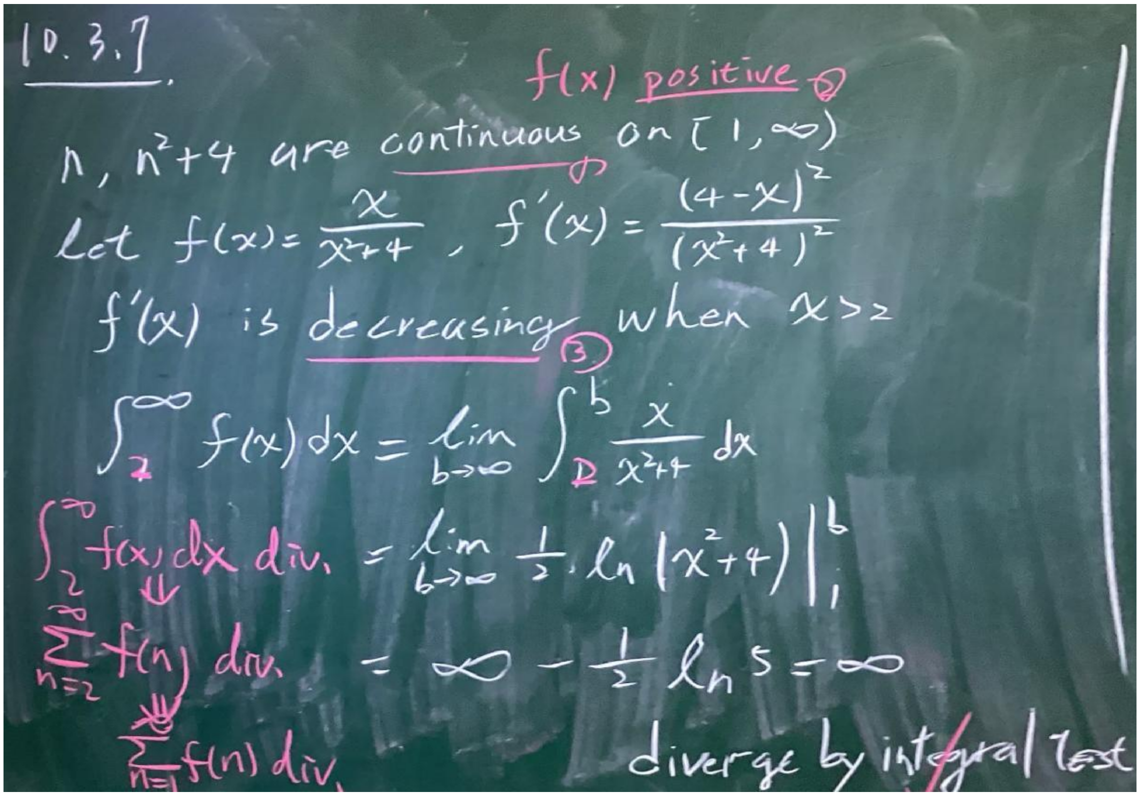

Figure 9: Solution to Section 10.3, problem 07

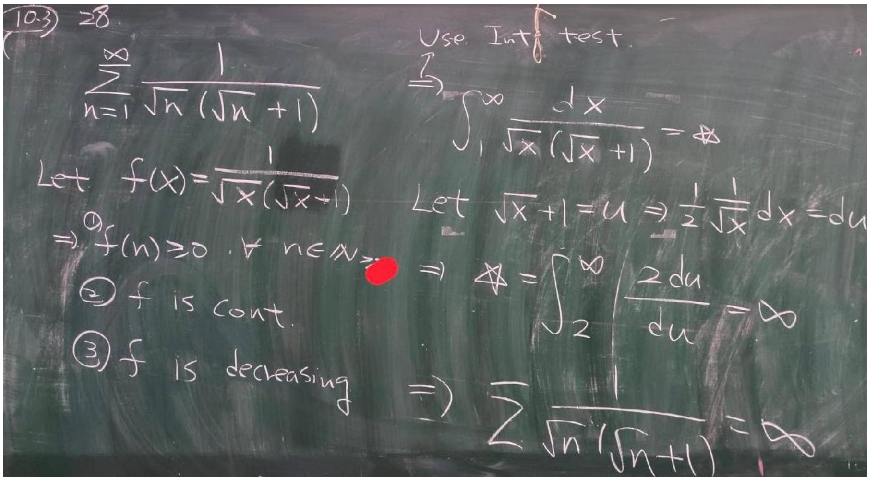

Figure 10: Solution to Section 10.3, problem 28

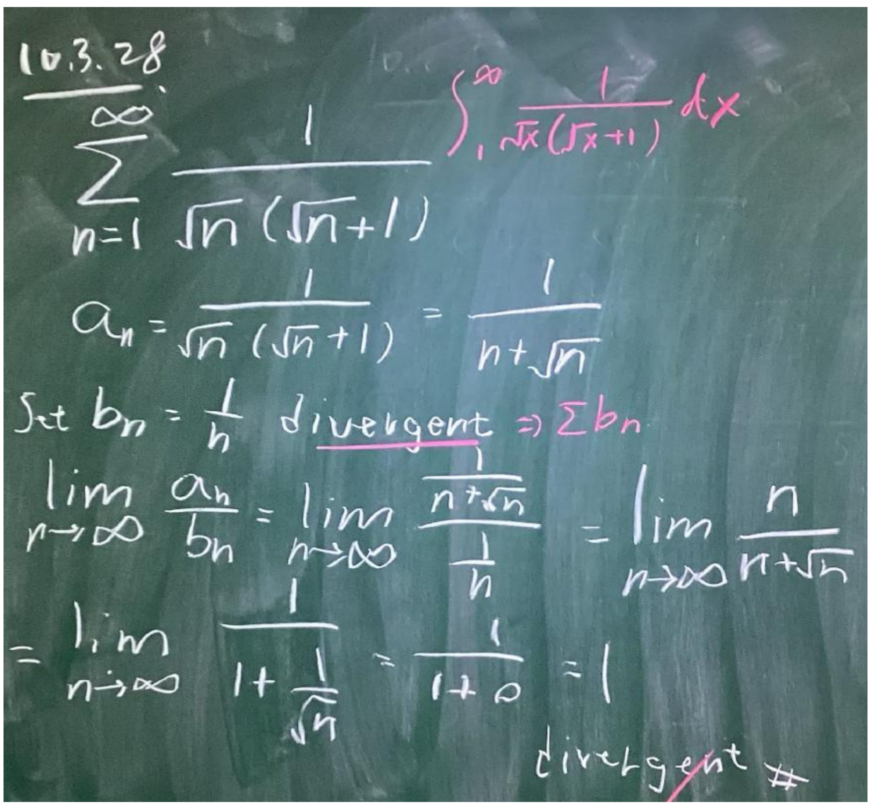

Figure 11: Solution to Section 10.3, problem 28, another method

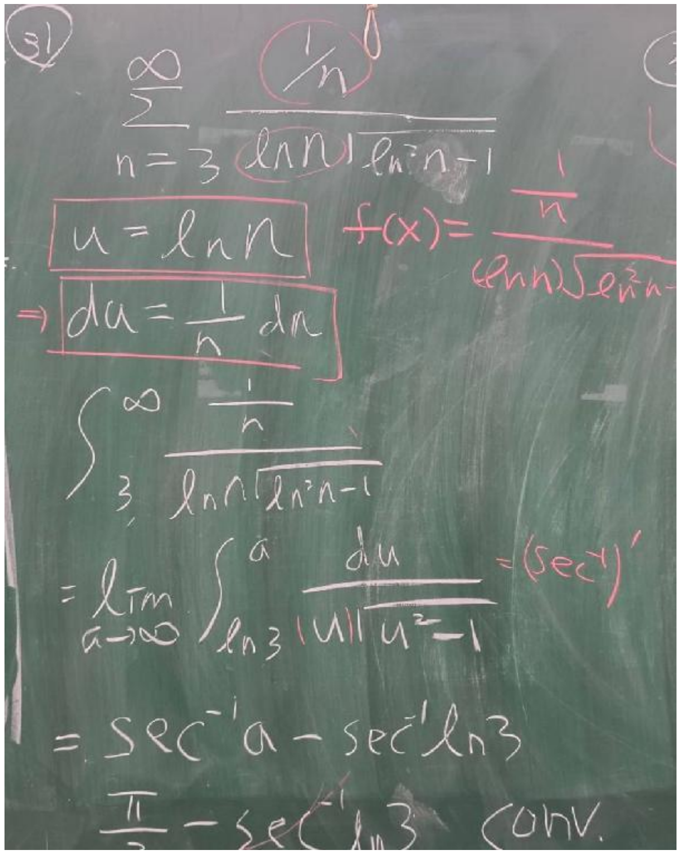

Figure 12: Solution to Section 10.3, problem 31

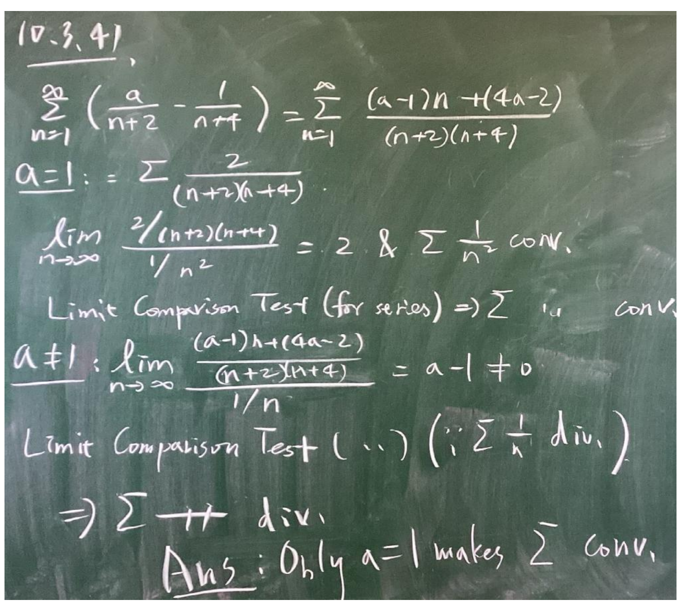

Figure 13: Solution to Section 10.3, problem 41

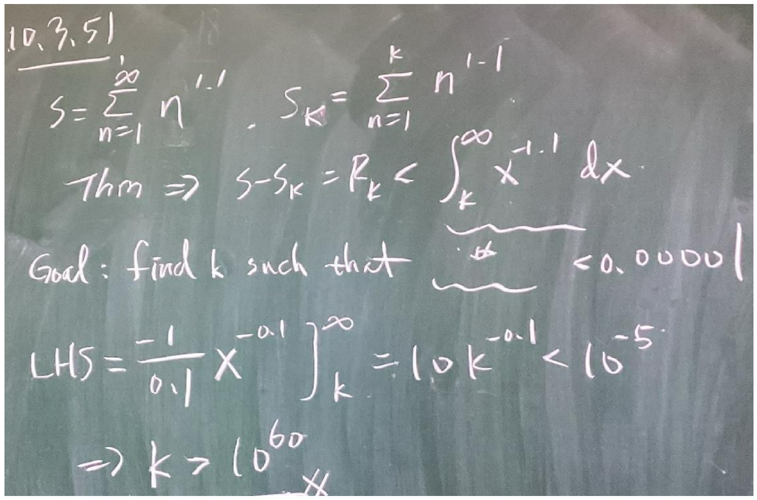

Figure 14: Solution to Section 10.3, problem 51

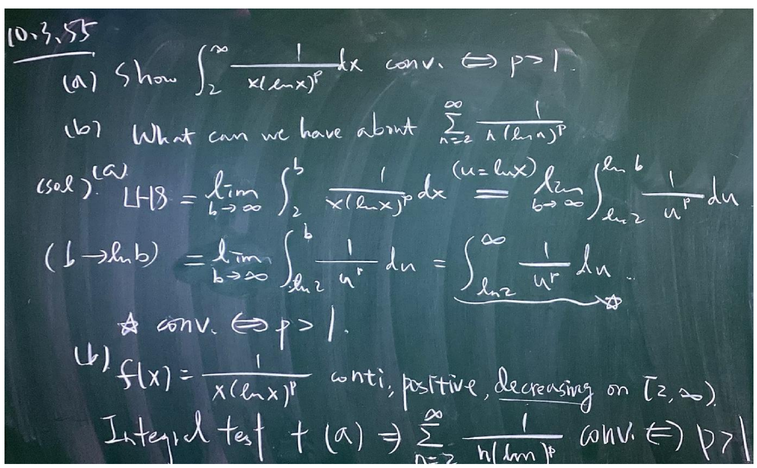

Figure 15: Solution to Section 10.3, problem 55