Brief solutions to selected problems in homework 12

1. Section 15.7: Solutions, common mistakes and corrections:

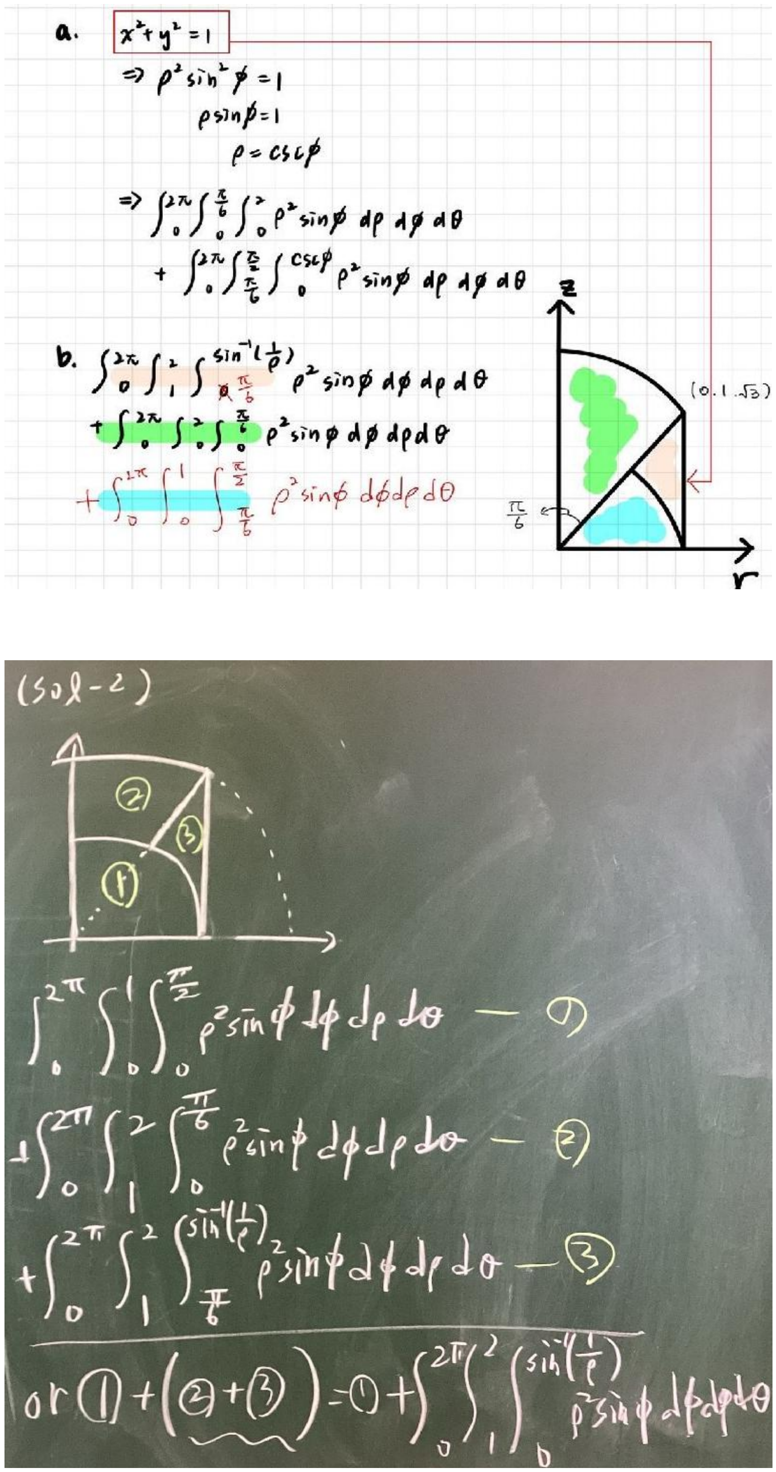
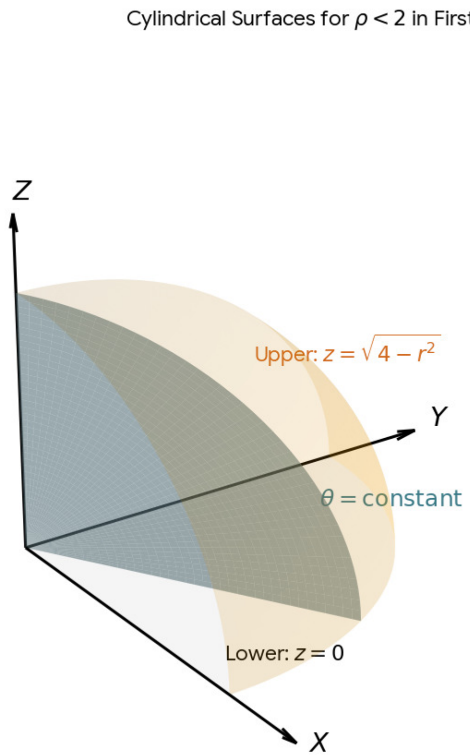


Figure 1: Solution to Section 15.7, problem 31



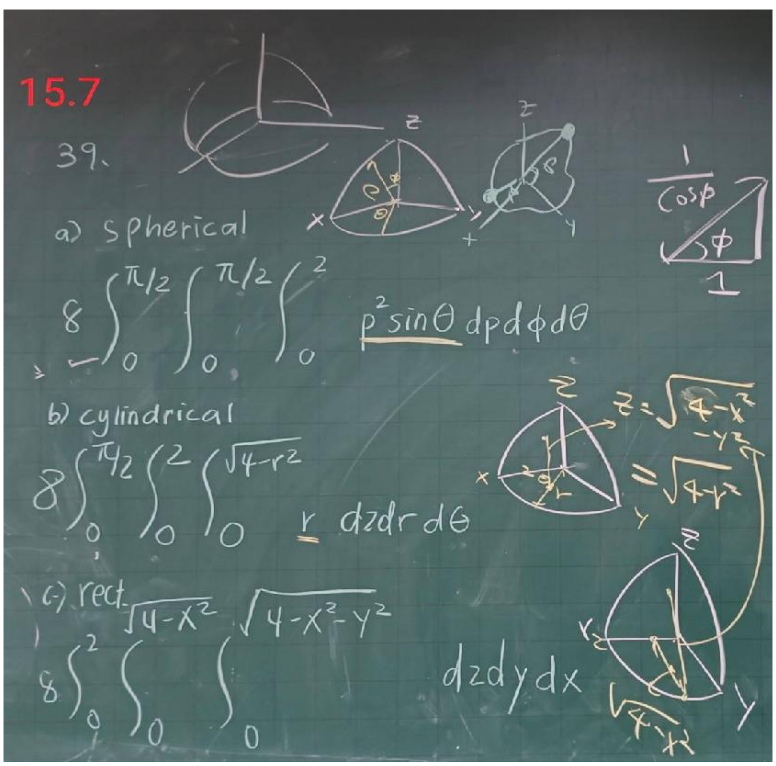
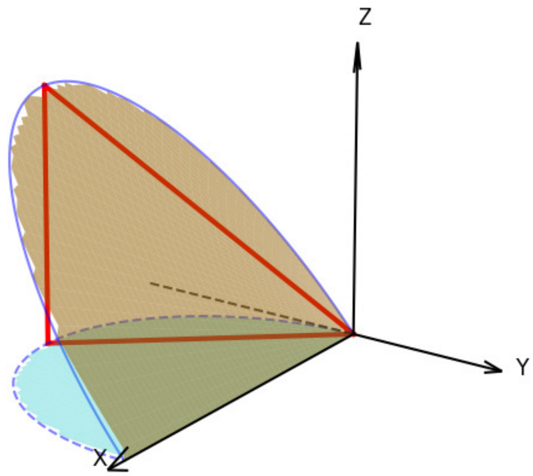


Figure 2: Solution to Section 15.7, problem 39



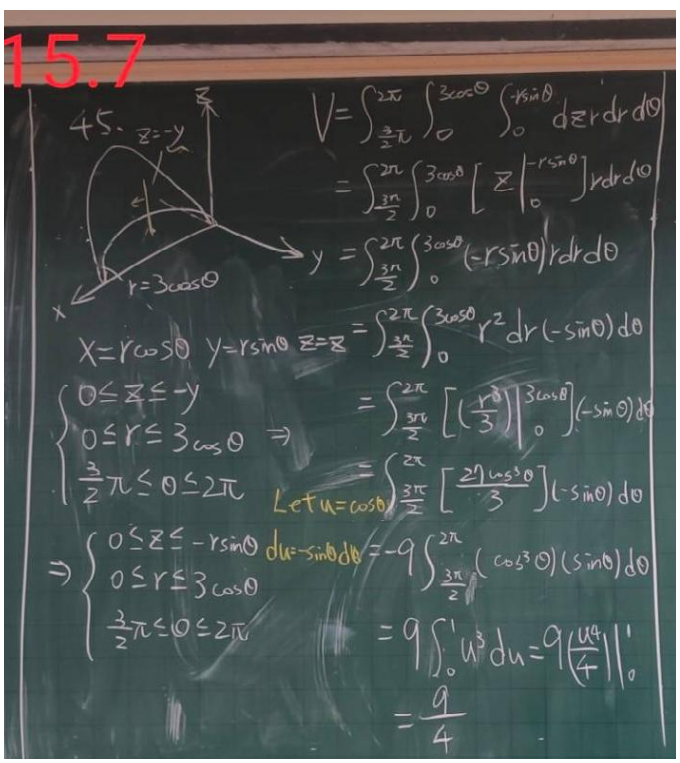


Figure 3: Solution to Section 15.7, problem 45

2. Section 15.8: Solutions, common mistakes and corrections:

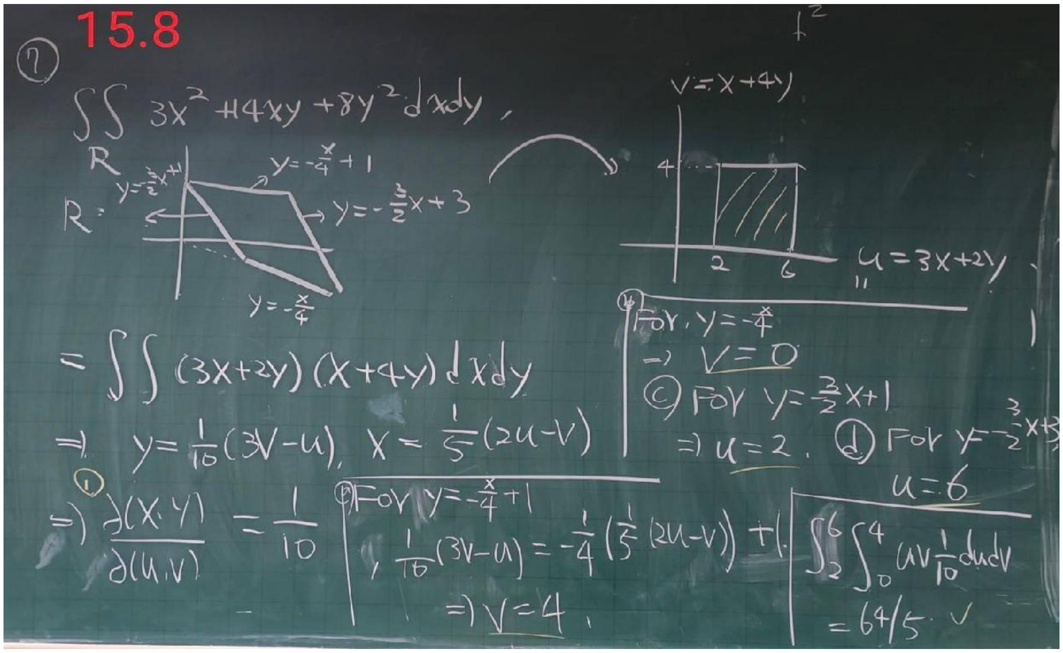


Figure 4: Solution to Section 15.8, problem 7

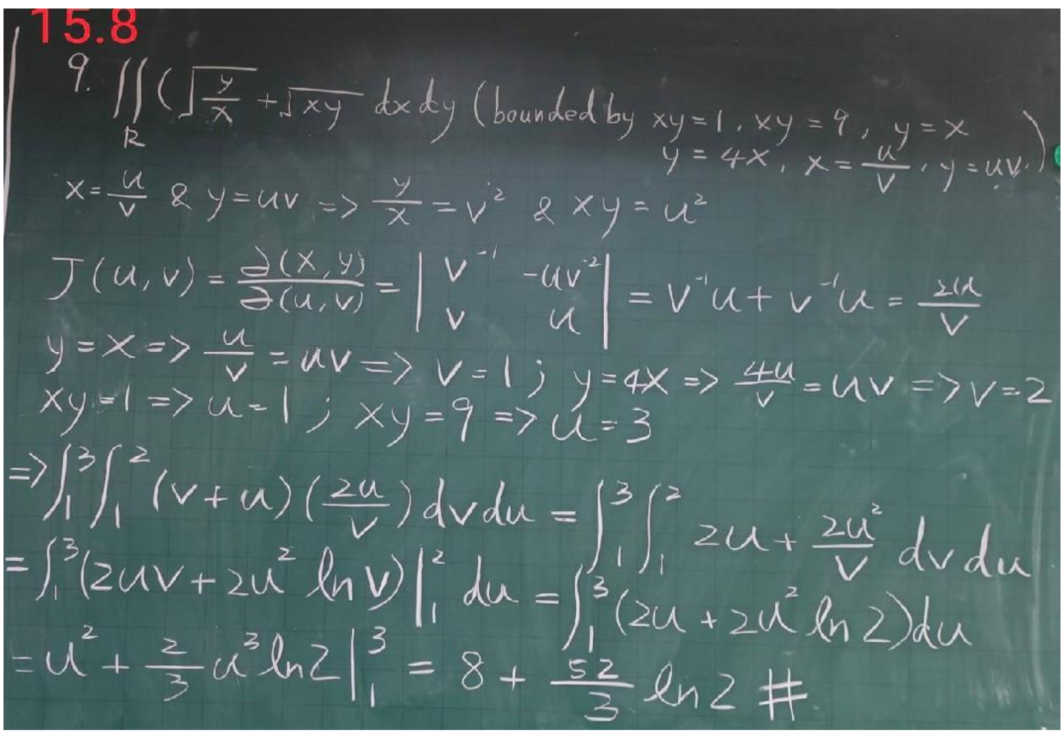
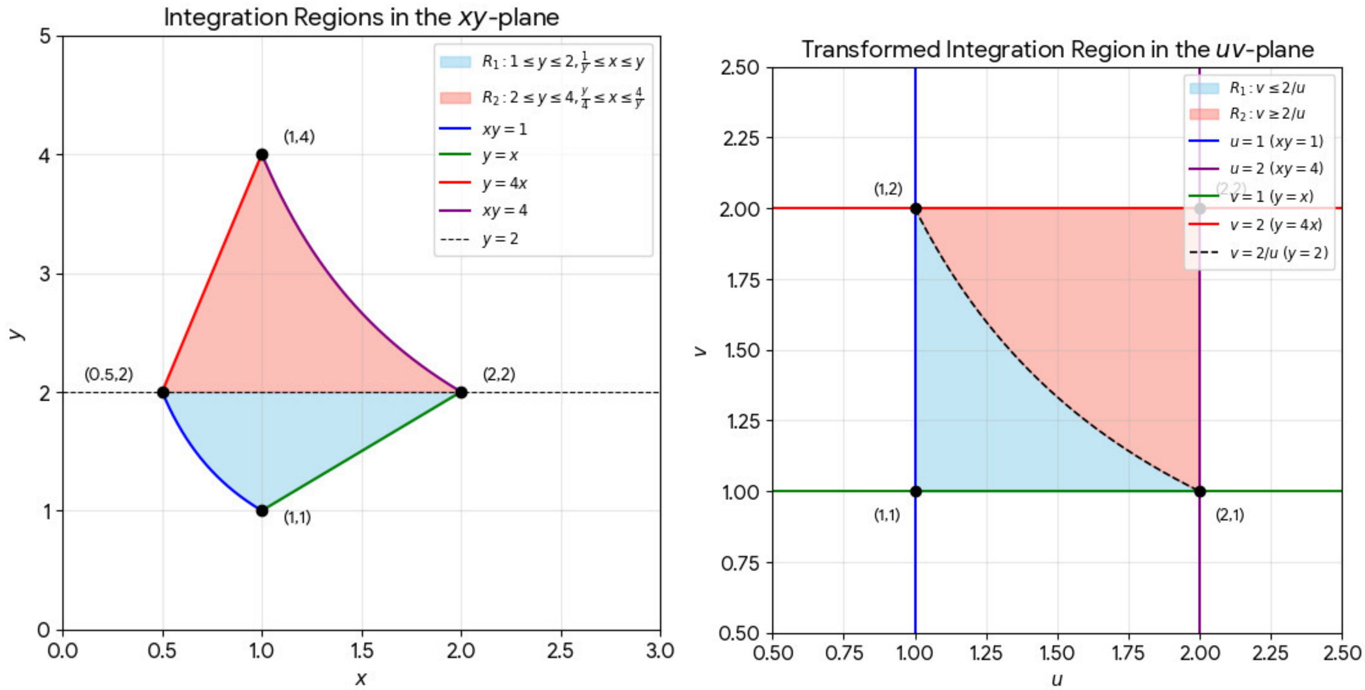


Figure 5: Solution to Section 15.8, problem 9



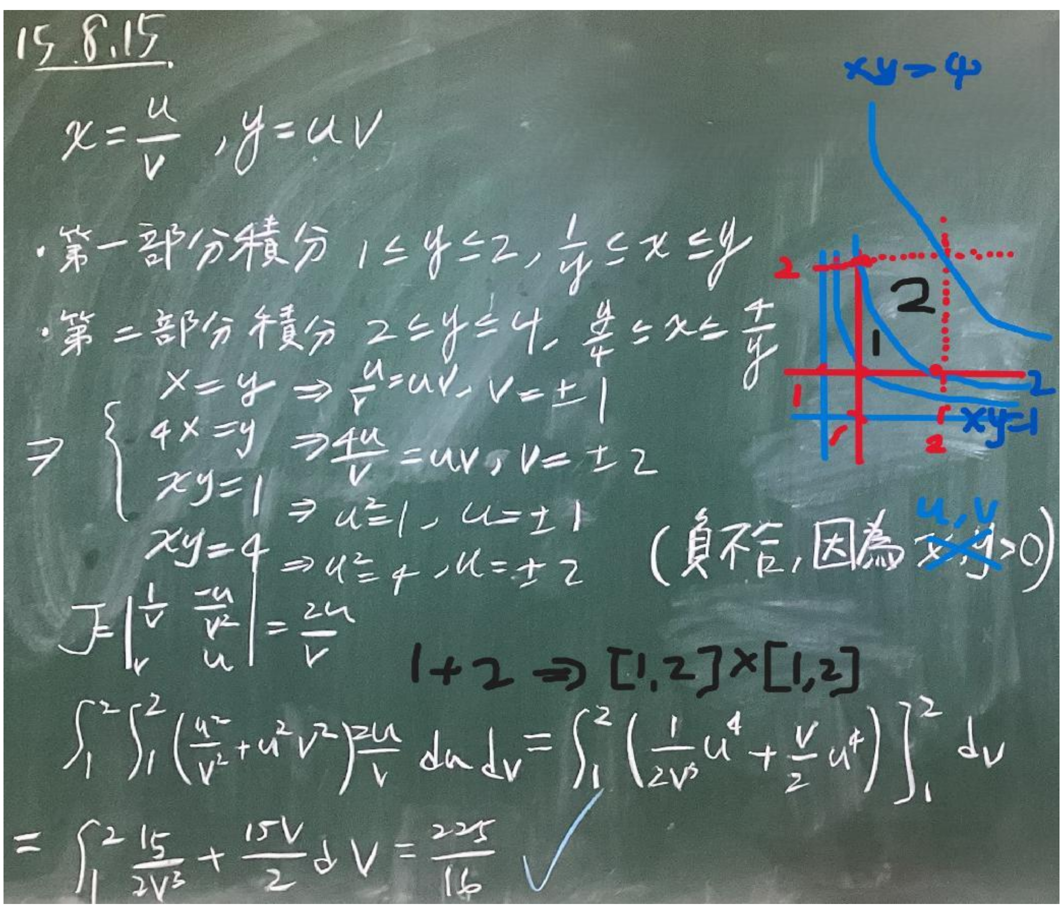


Figure 7: Solution to Section 15.8, problem 15

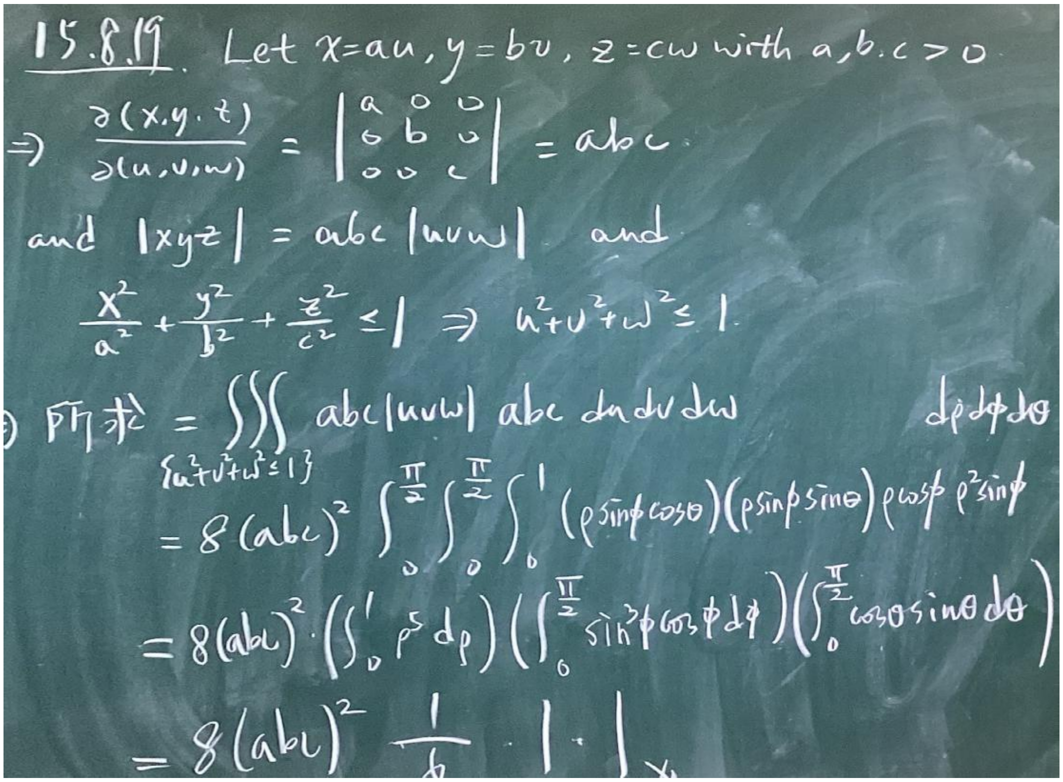


Figure 8: Solution to Section 15.8, problem 19

3. Chap 15: Solutions, common mistakes and corrections:

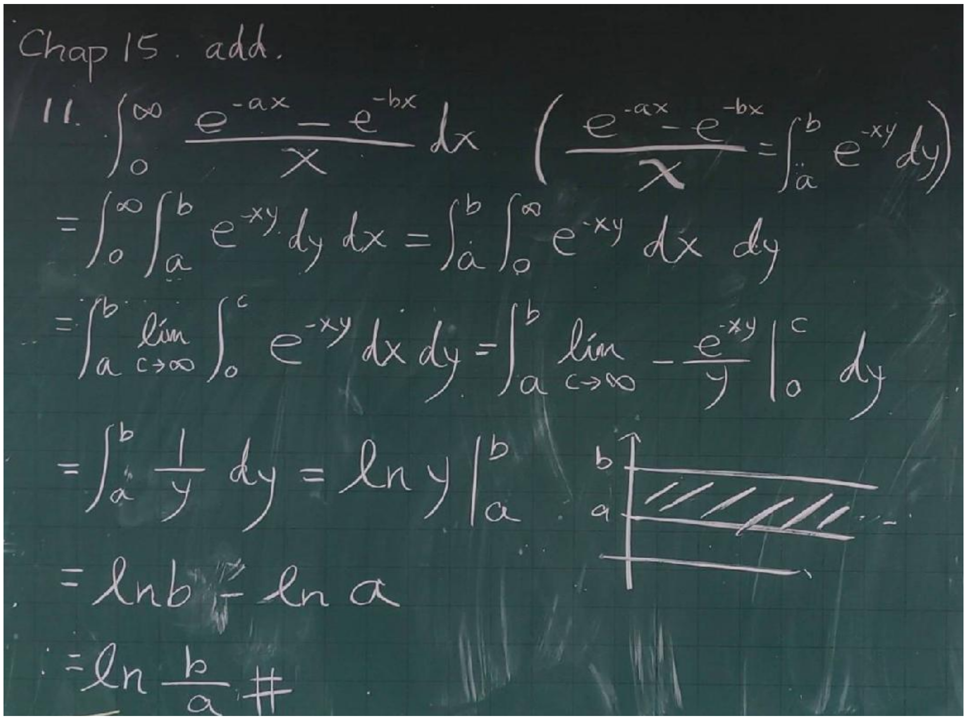


Figure 9: Solution to Chapter 15, Additional and Advanced Exercises, problem 11

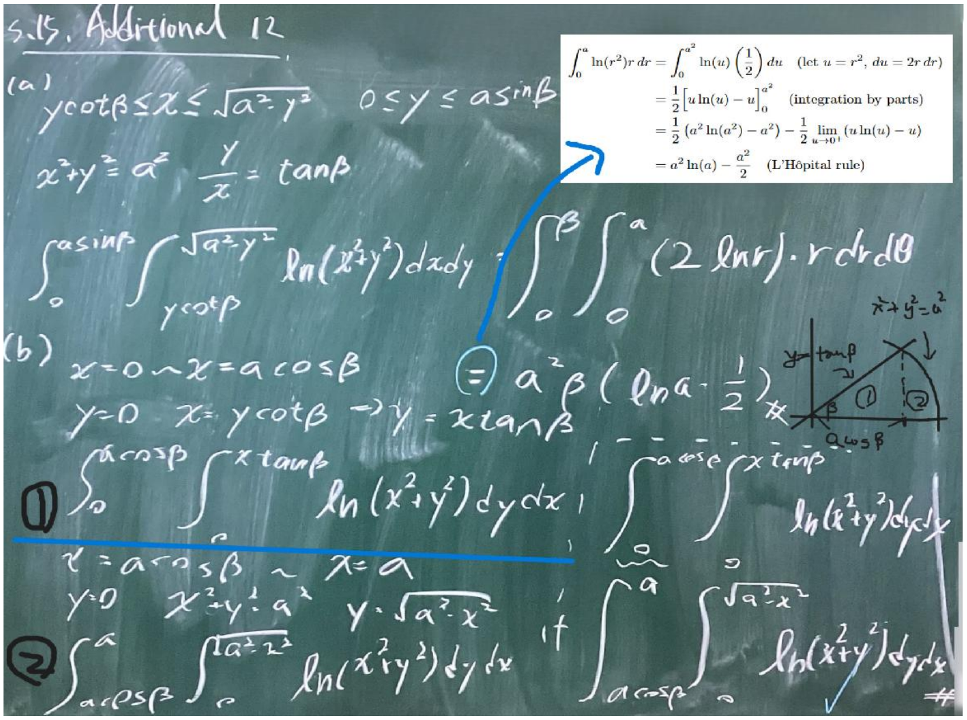


Figure 10: Solution to Chapter 15, Additional and Advanced Exercises, problem 12

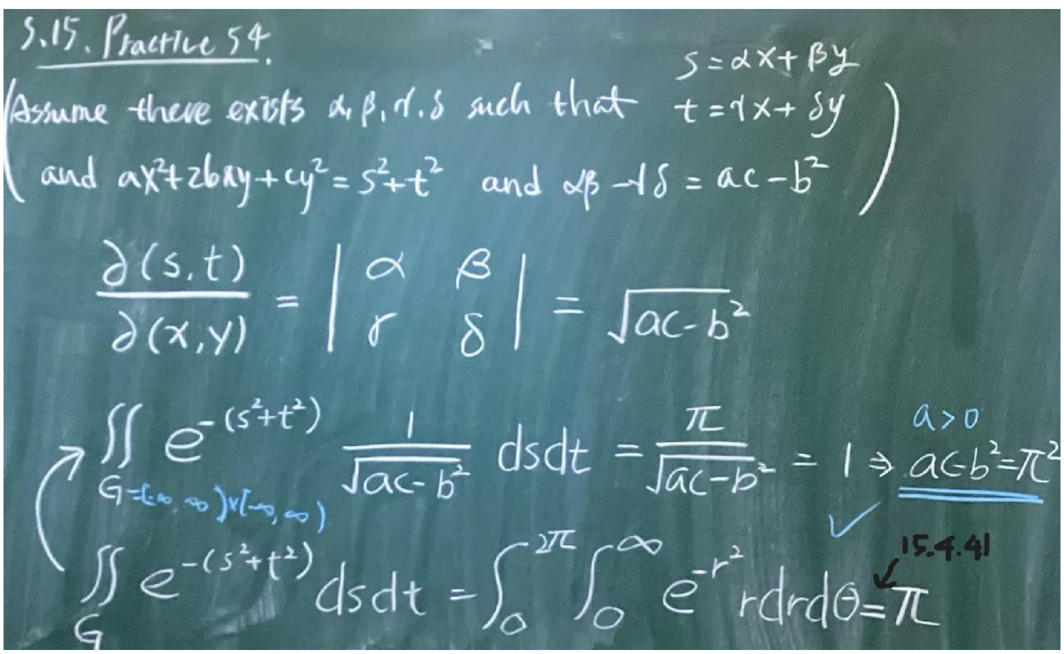
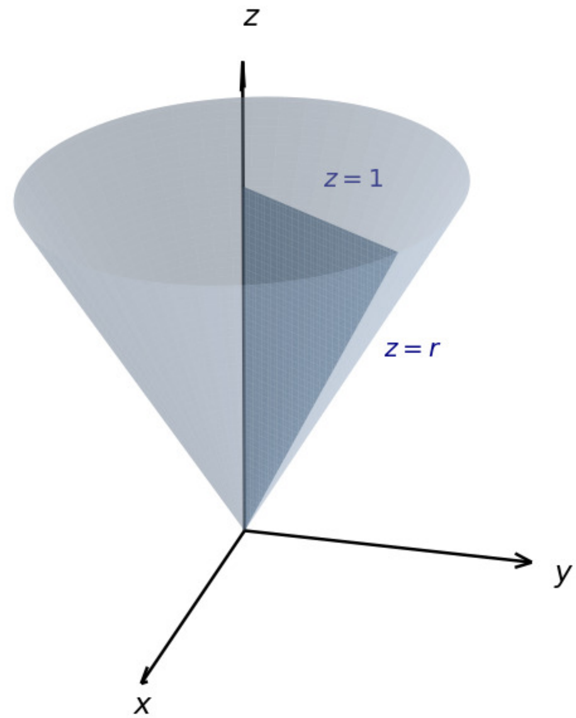


Figure 11: Chapter 15, Practice Exercises, problem 54. Sorry, this problem is not stated properly. My mistake. Please ignore it in all exams. I will update with a more complete answer some time later



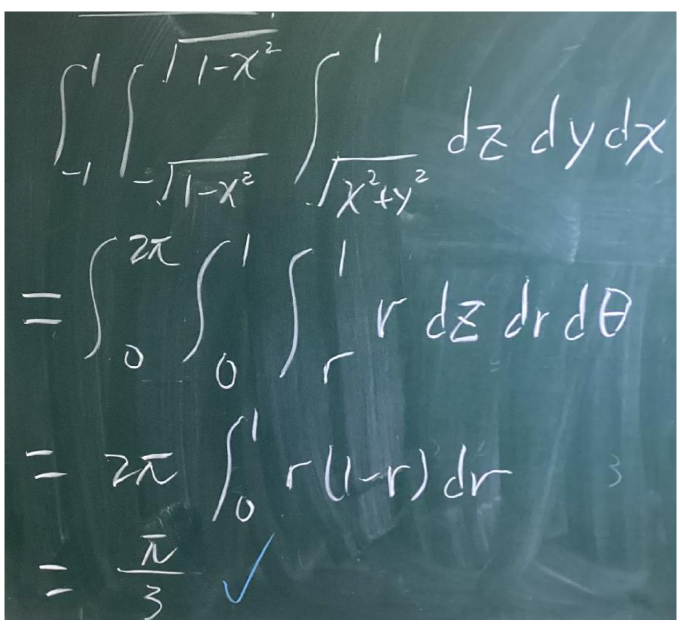


Figure 12: Solution to Chapter 15, Practice Exercises, problem 33