Brief solutions to selected problems in homework 14 (v02)

1. Section 8.3: Solutions, common mistakes and corrections:

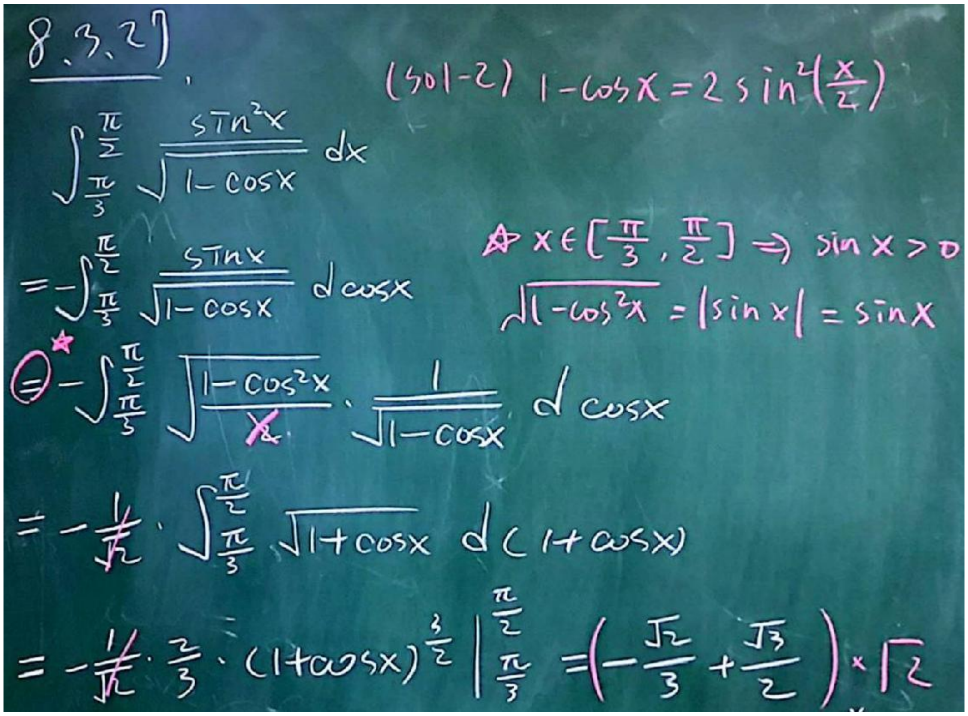

Figure 1: Solution to Section 8.3, problem 27

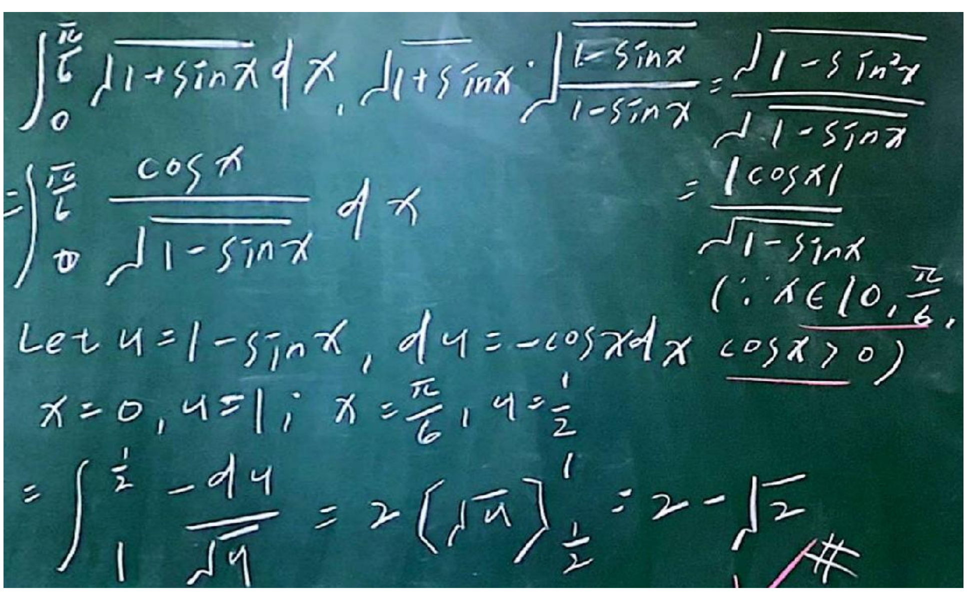

Figure 2: Solution to Section 8.3, problem 28

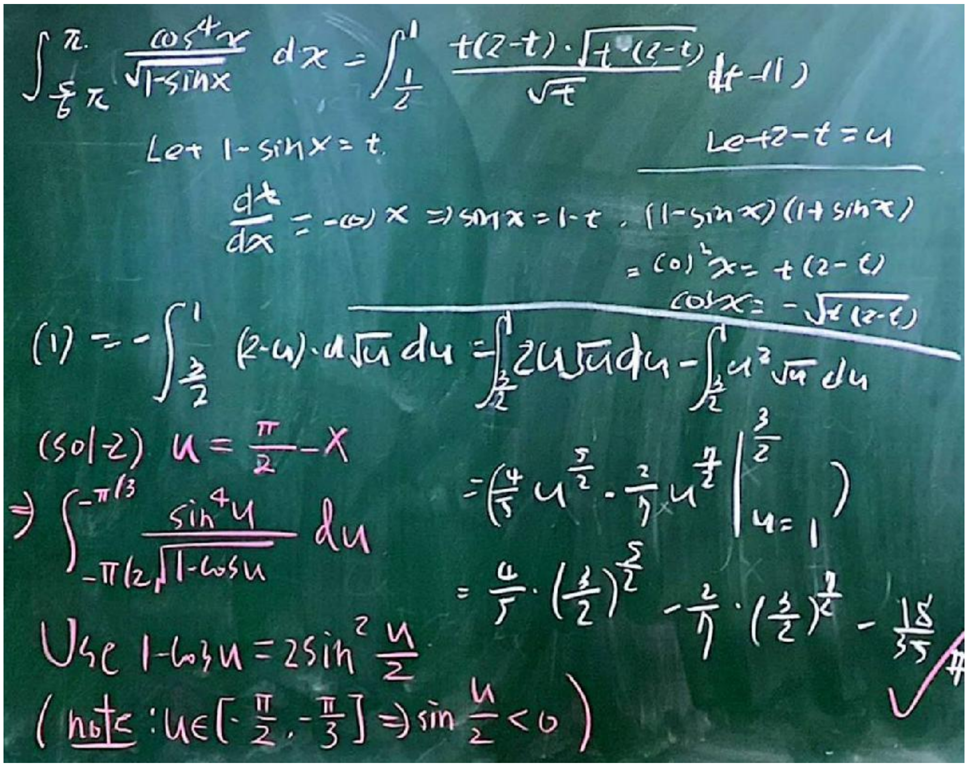

Figure 3: Solution to Section 8.3, problem 29

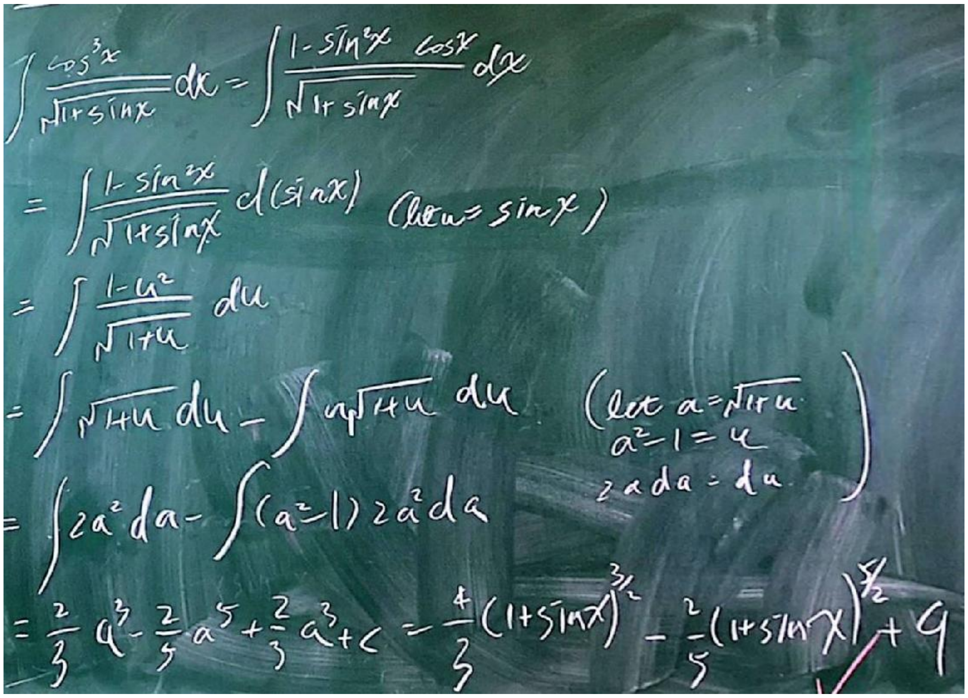

Figure 4: Solution to Section 8.3, problem 29.5

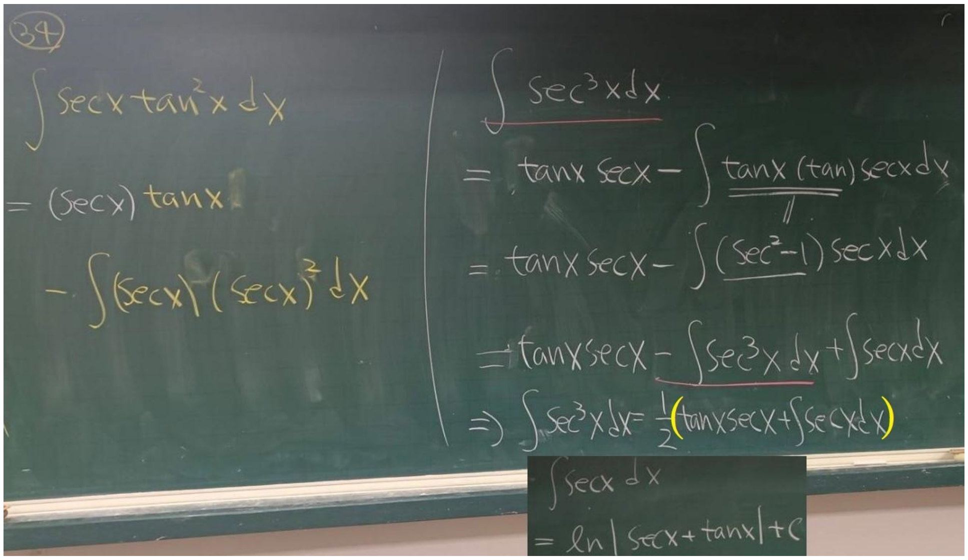

Figure 5: Solution to Section 8.3, problem 34

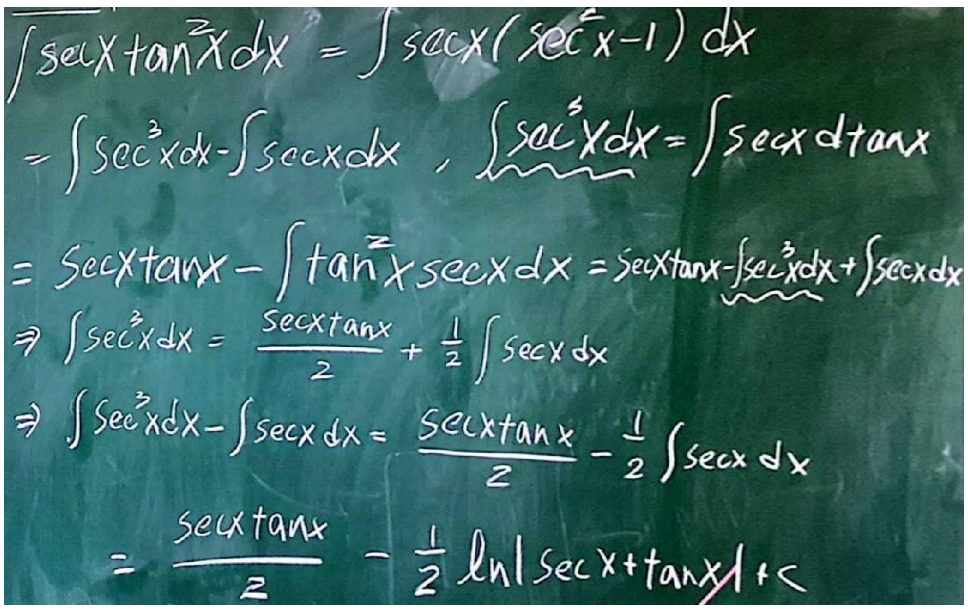

Figure 6: Solution to Section 8.3, problem 34. Another method

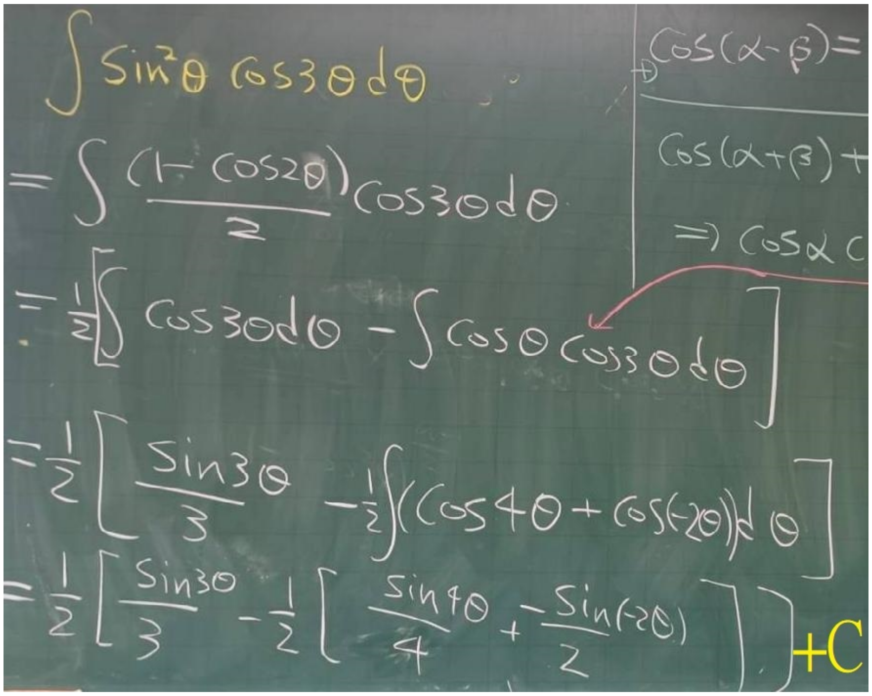

Figure 7: Solution to Section 8.3, problem 57

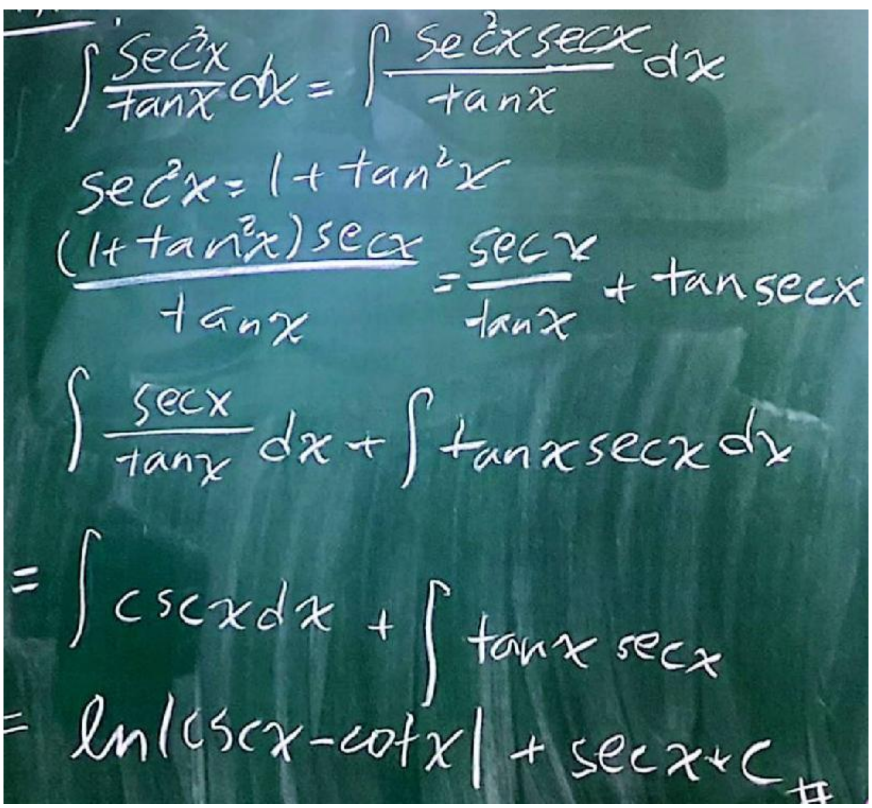

Figure 8: Solution to Section 8.3, problem 63

2. Section 8.4: Solutions, common mistakes and corrections:

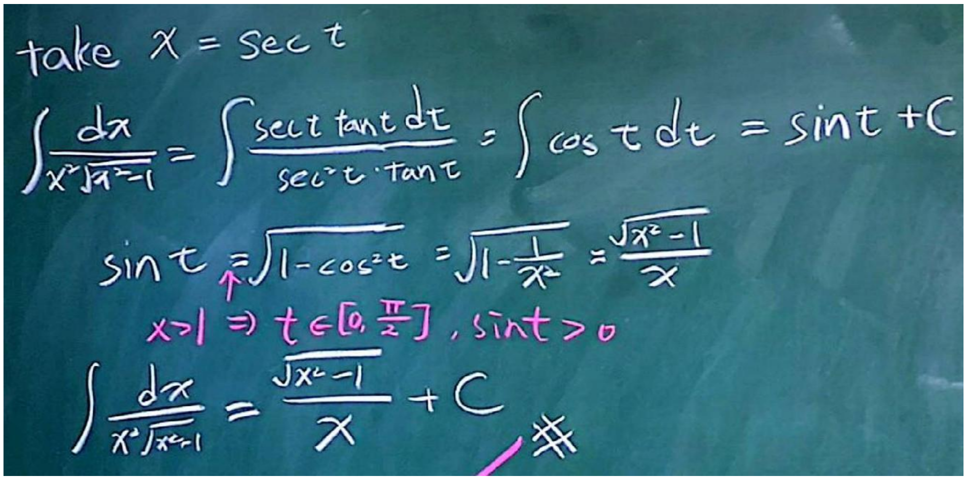

Figure 9: Solution to Section 8.4, problem 13

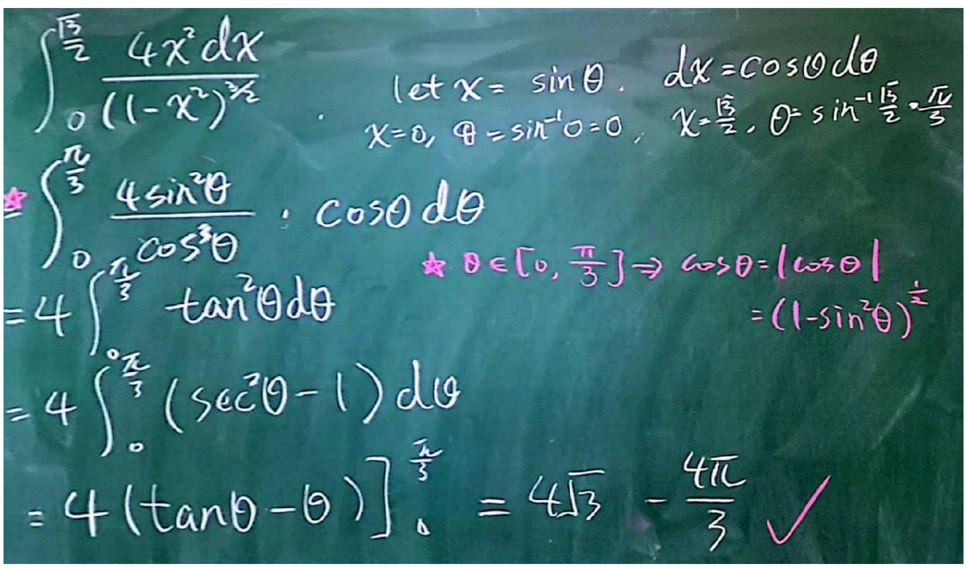

Figure 10: Solution to Section 8.4, problem 23

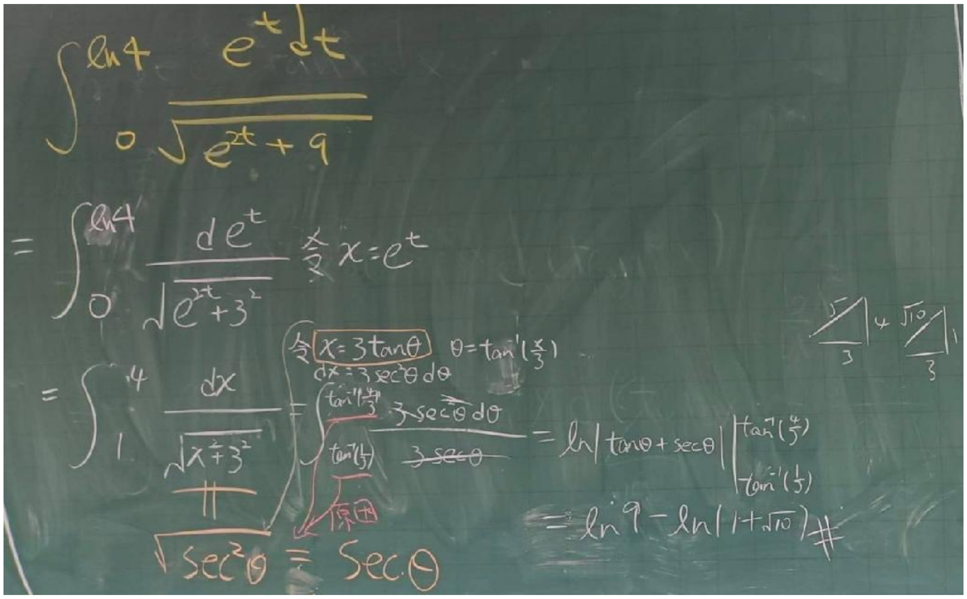

Figure 11: Solution to Section 8.4, problem 35

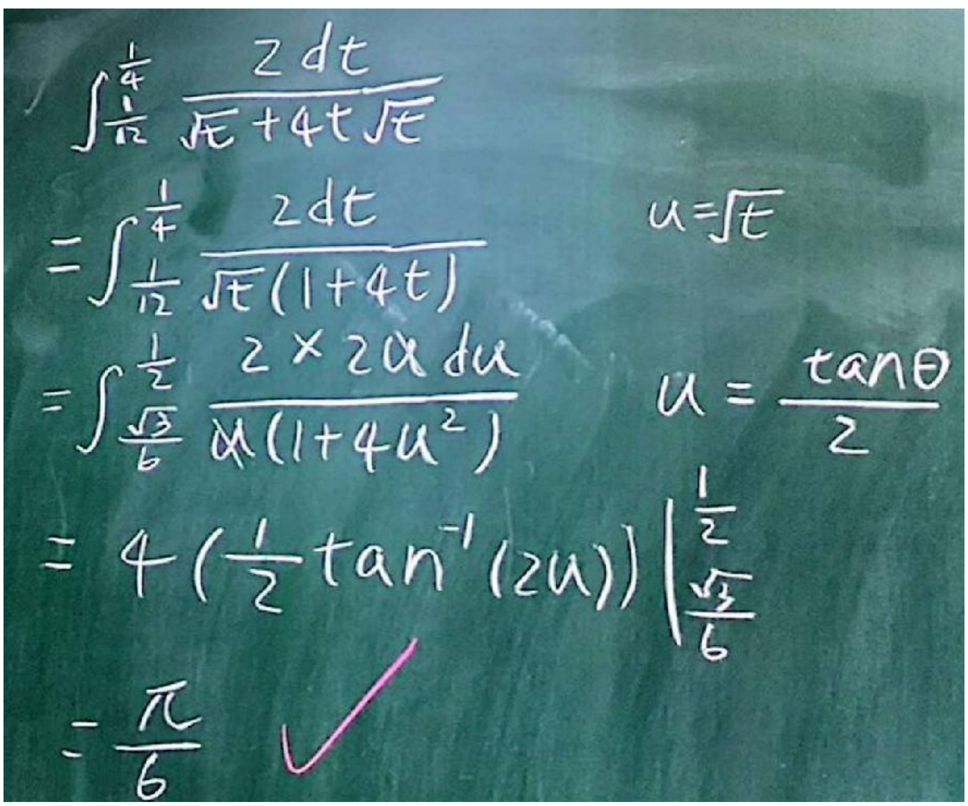

Figure 12: Solution to Section 8.4, problem 37

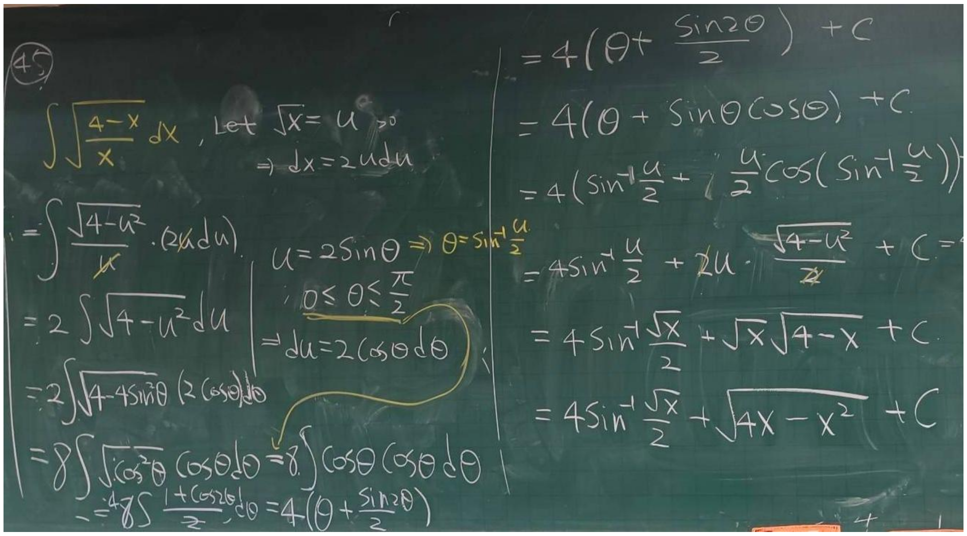

Figure 13: Solution to Section 8.4, problem 45

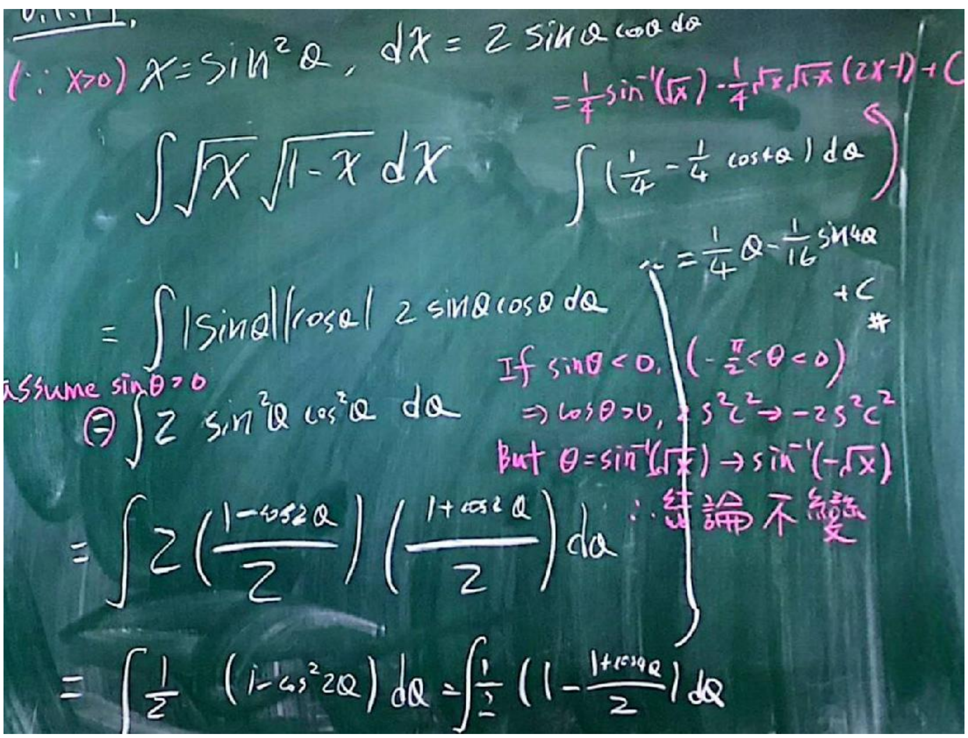

Figure 14: Solution to Section 8.4, problem 47

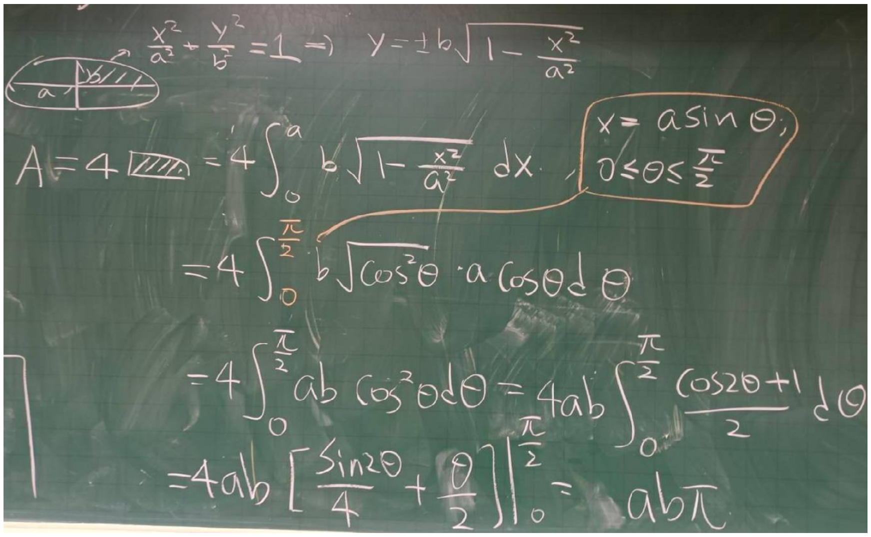

Figure 15: Solution to Section 8.4, problem 54

3. Section 8.5: Solutions, common mistakes and corrections:

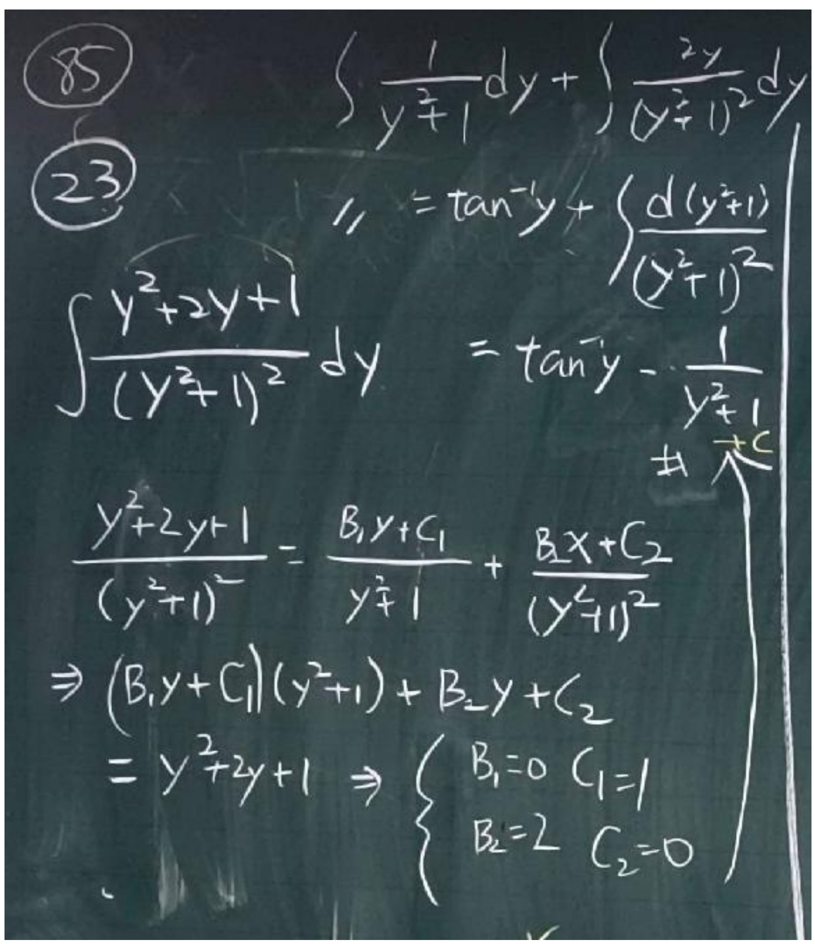

Figure 16: Solution to Section 8.5, problem 23

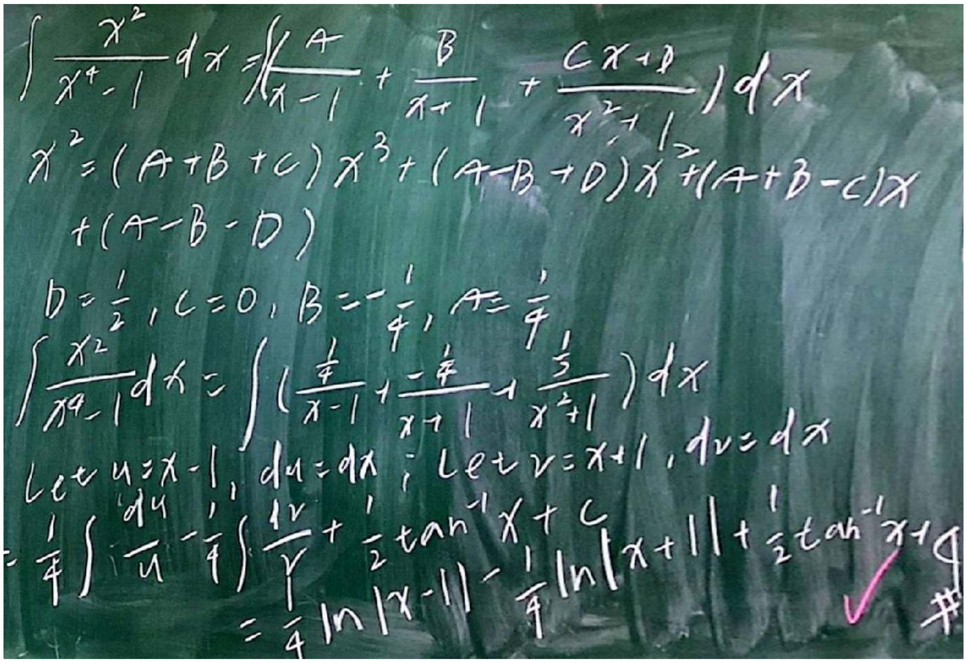

Figure 17: Solution to Section 8.5, problem 29. Remark: this method requires solving A, B, C, D from 4 linear equations.

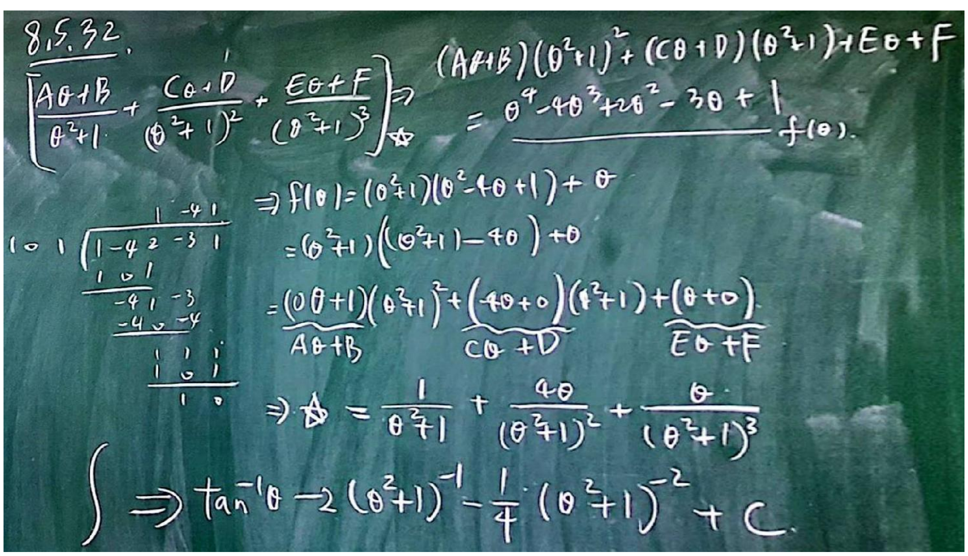

Figure 18: Solution to Section 8.5, problem 32

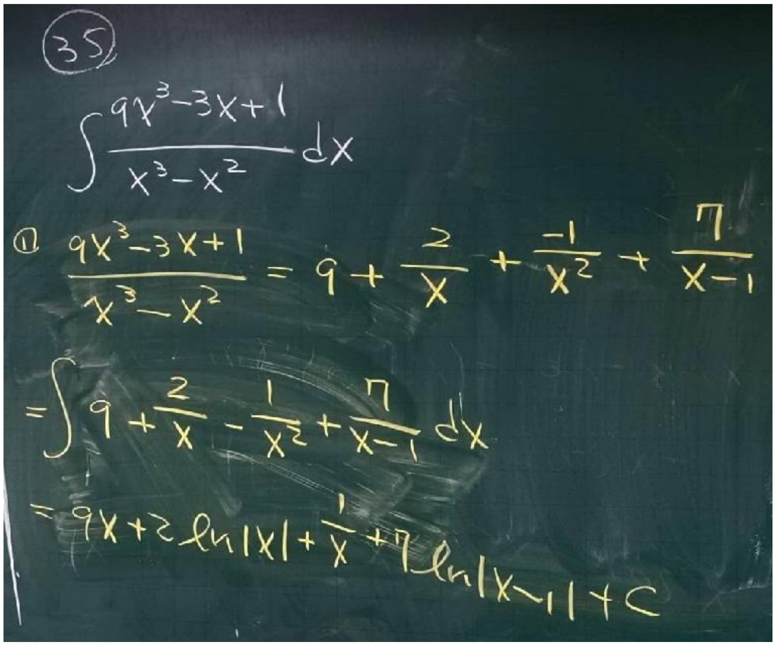

Figure 19: Solution to Section 8.5, problem 35

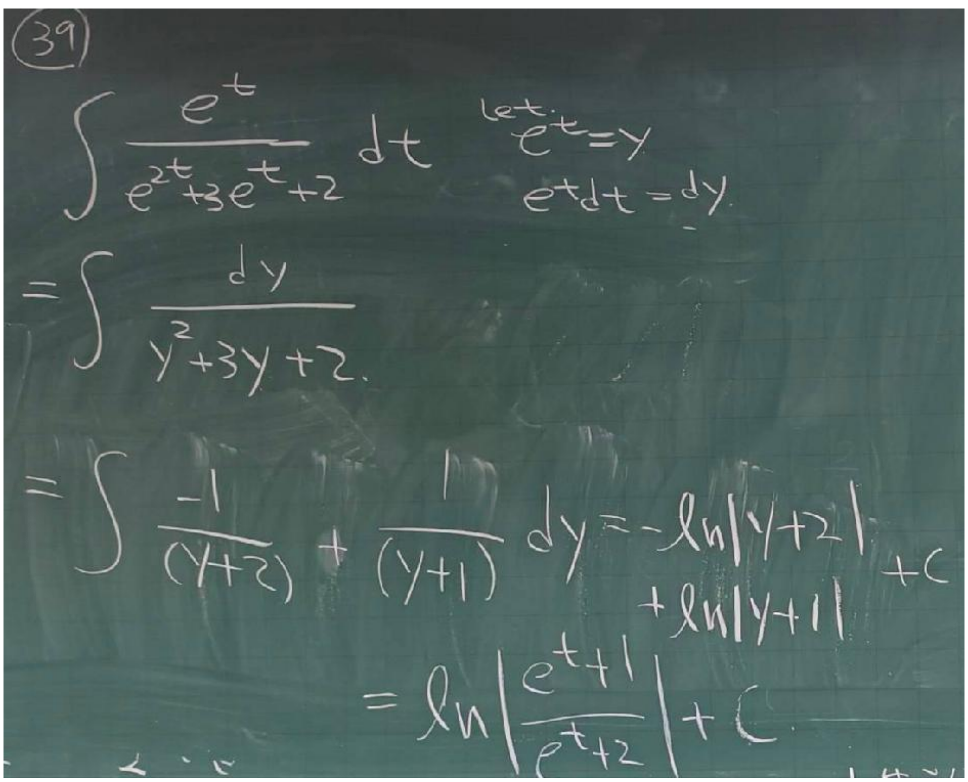

Figure 20: Solution to Section 8.5, problem 39

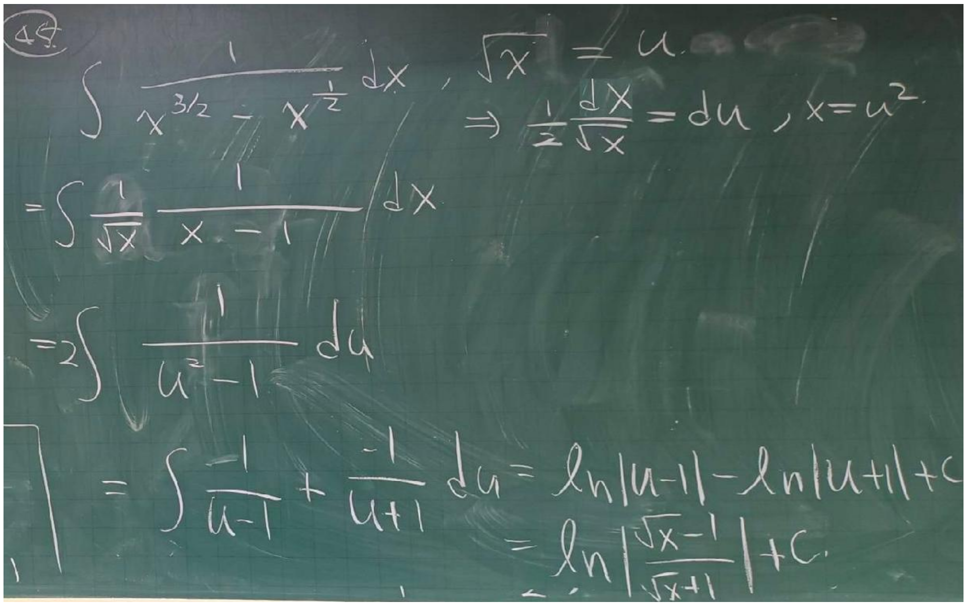

Figure 21: Solution to Section 8.5, problem 45

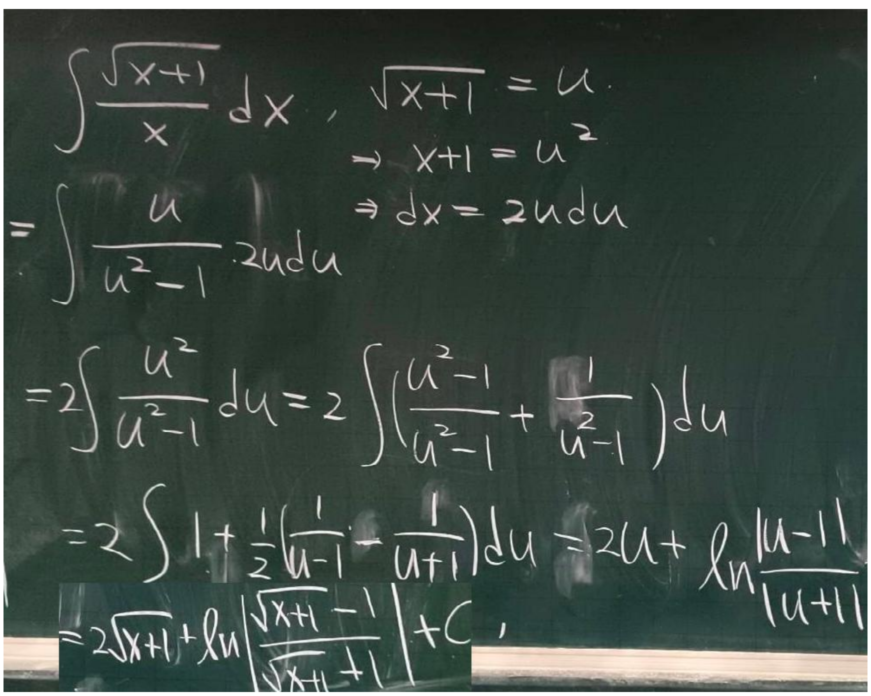

Figure 22: Solution to Section 8.5, problem 47

4. Chap 8: Additional and Advanced Exercises. Solutions, common mistakes and corrections:

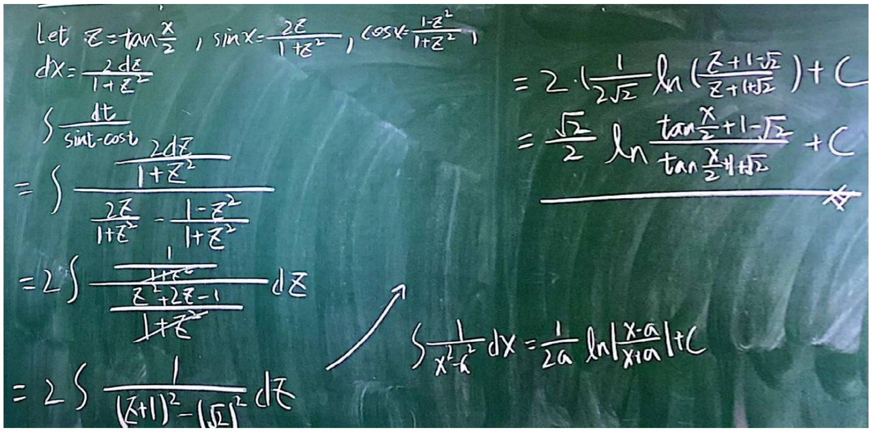

Figure 23: Solution to Chap 8: Additional and Advanced Exercises, problem 47

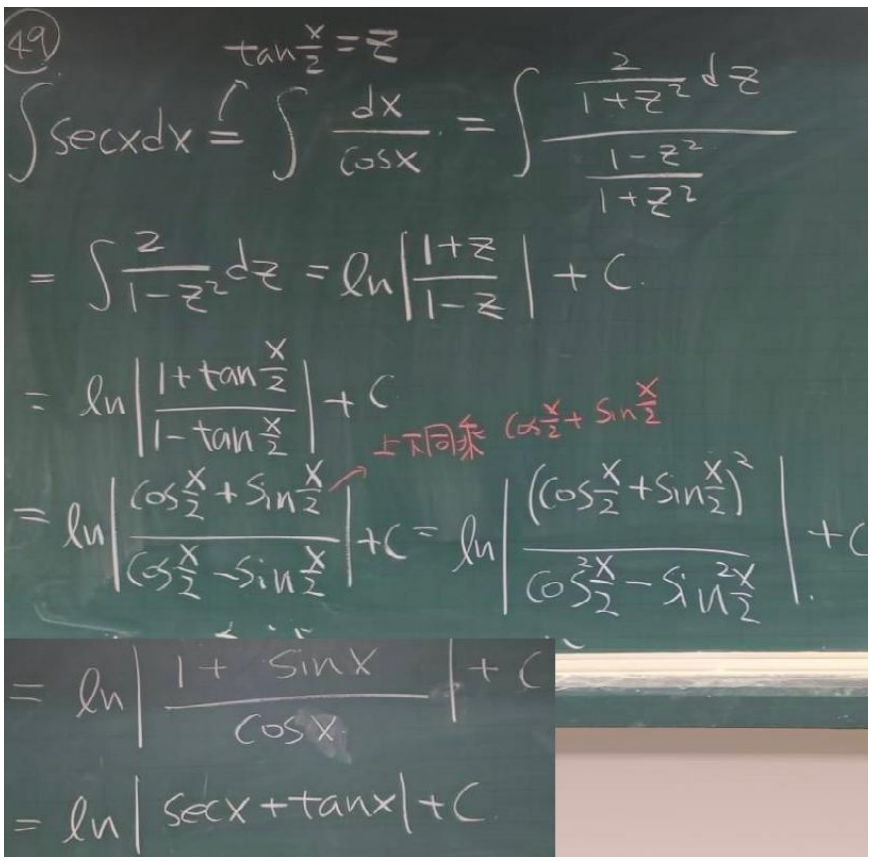

Figure 24: Solution to Chap 8: Additional and Advanced Exercises, problem 49