Brief solutions to selected problems in homework 10

1. Section 5.5: Solutions, common mistakes and corrections:

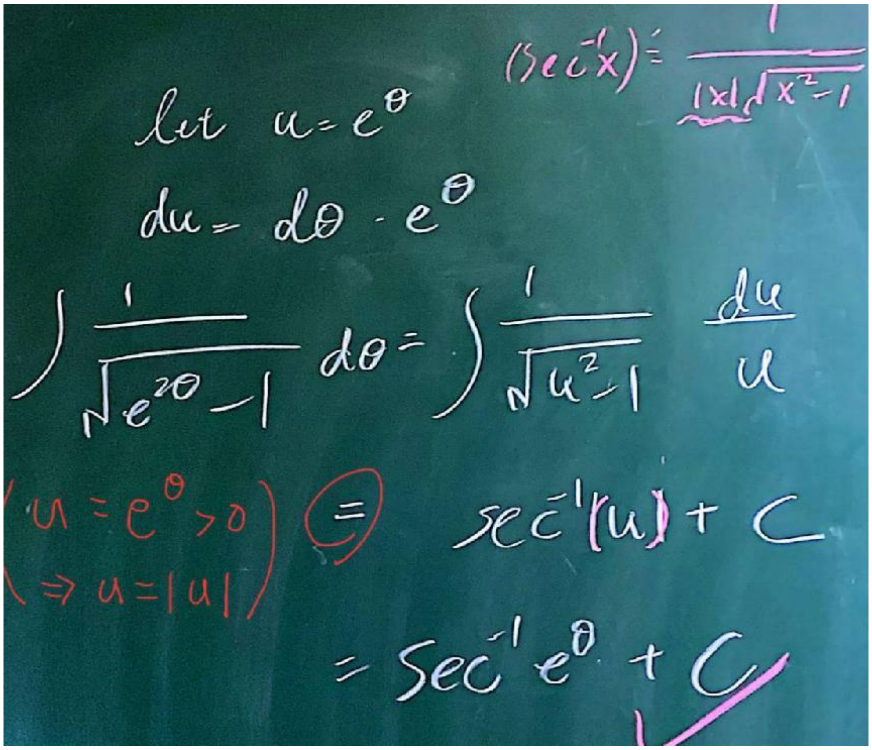

Figure 1: Solution to Section 5.5, problem 60

Remark: Another method for problem 60: multiply by $\frac{e^{-\theta}}{e^{-\theta}}$.

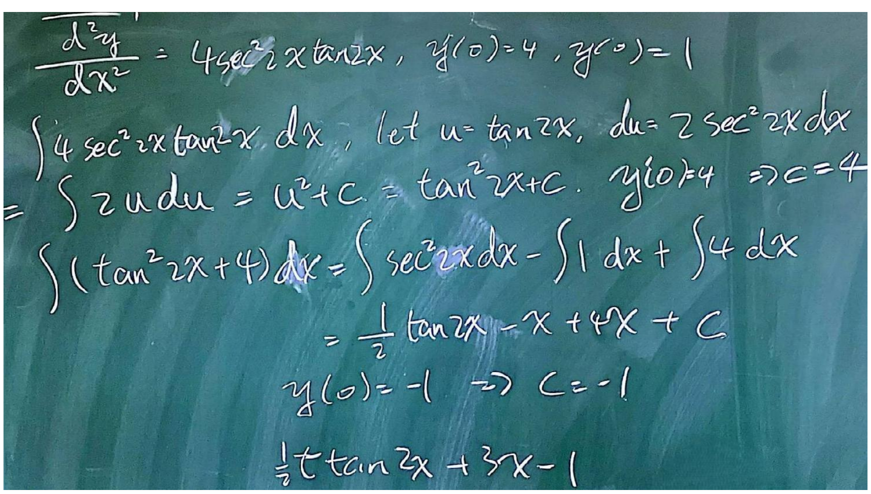

Figure 2: Solution to Section 5.5, problem 78

2. Section 5.6: Solutions, common mistakes and corrections:

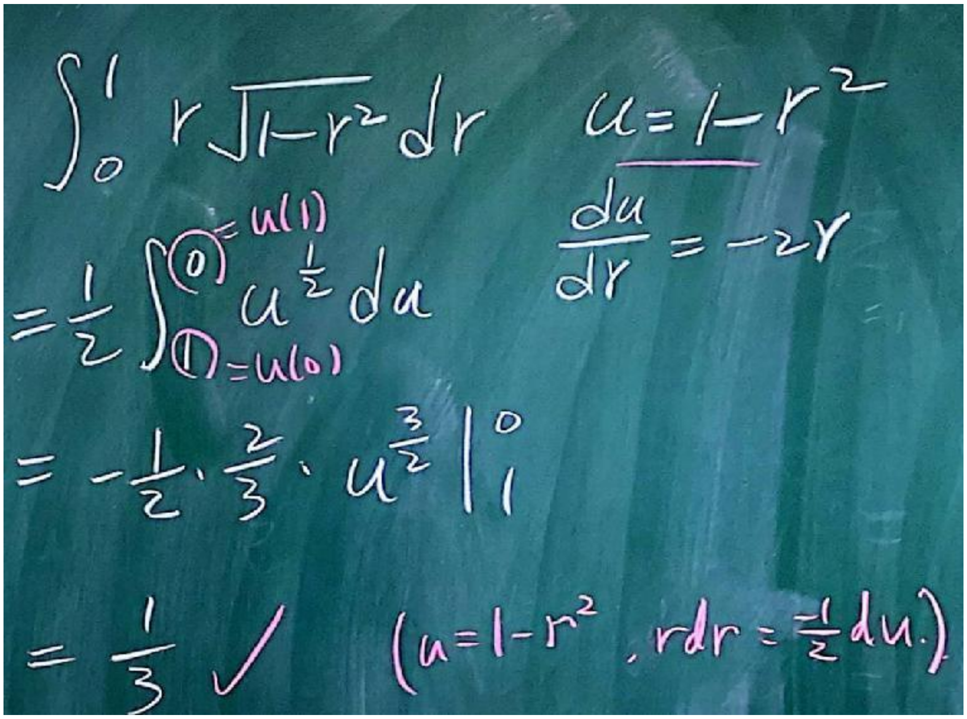

Figure 3: Solution to Section 5.6, problem 2

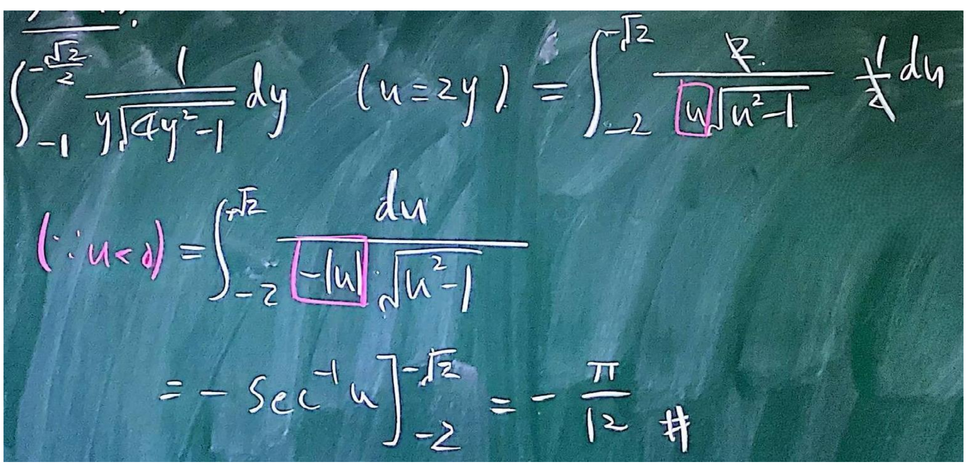

Figure 4: Solution to Section 5.6, problem 45

3. Chapter 5, additional and advanced problems: Solutions, common mistakes and corrections:

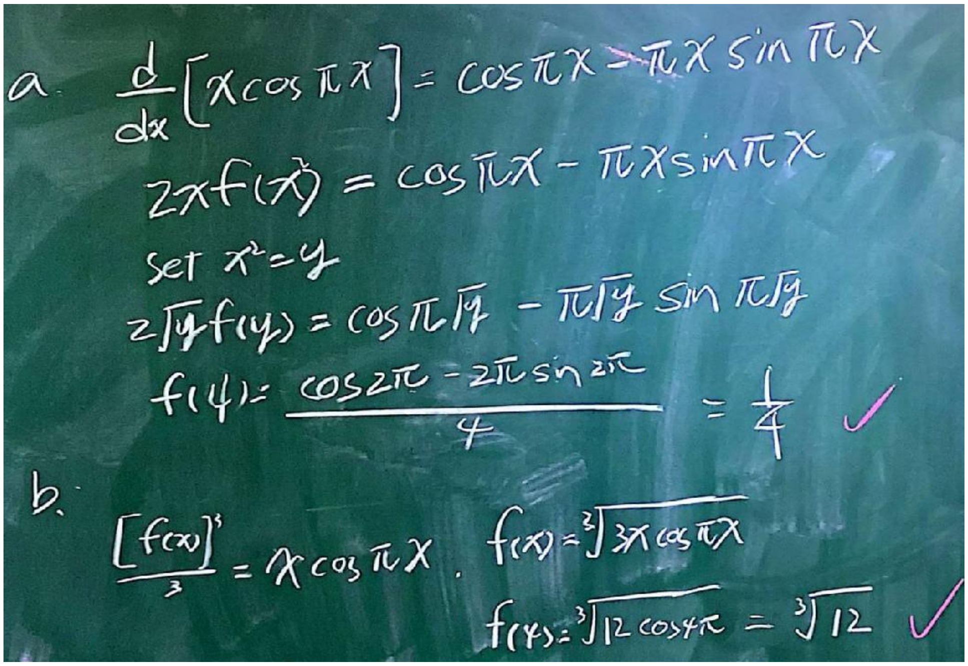

Figure 5: Solution to Chapter 5, additional and advanced problems: problem 5

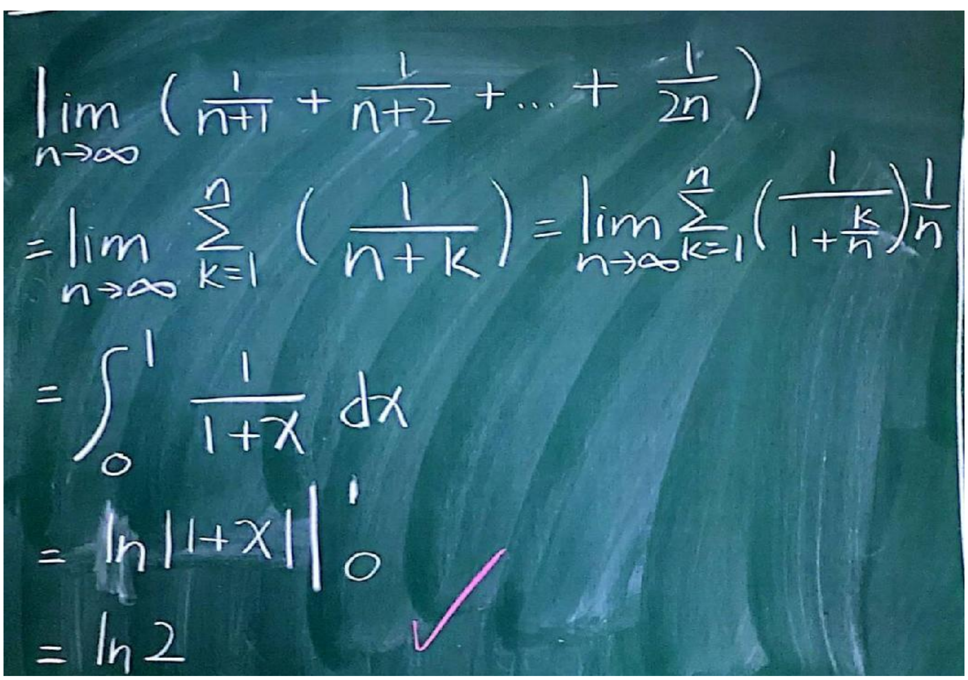

Figure 6: Solution to Chapter 5, additional and advanced problems: problem 21

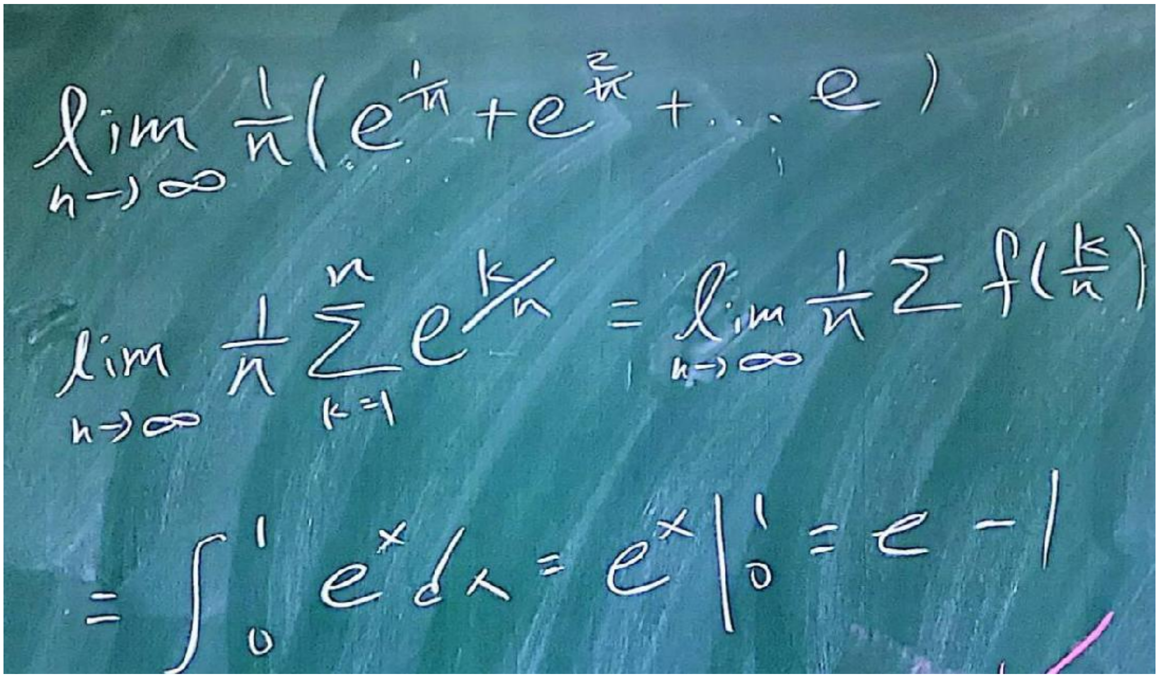

Figure 7: Solution to Chapter 5, additional and advanced problems: problem 22

4. Section 6.1: Solutions, common mistakes and corrections:

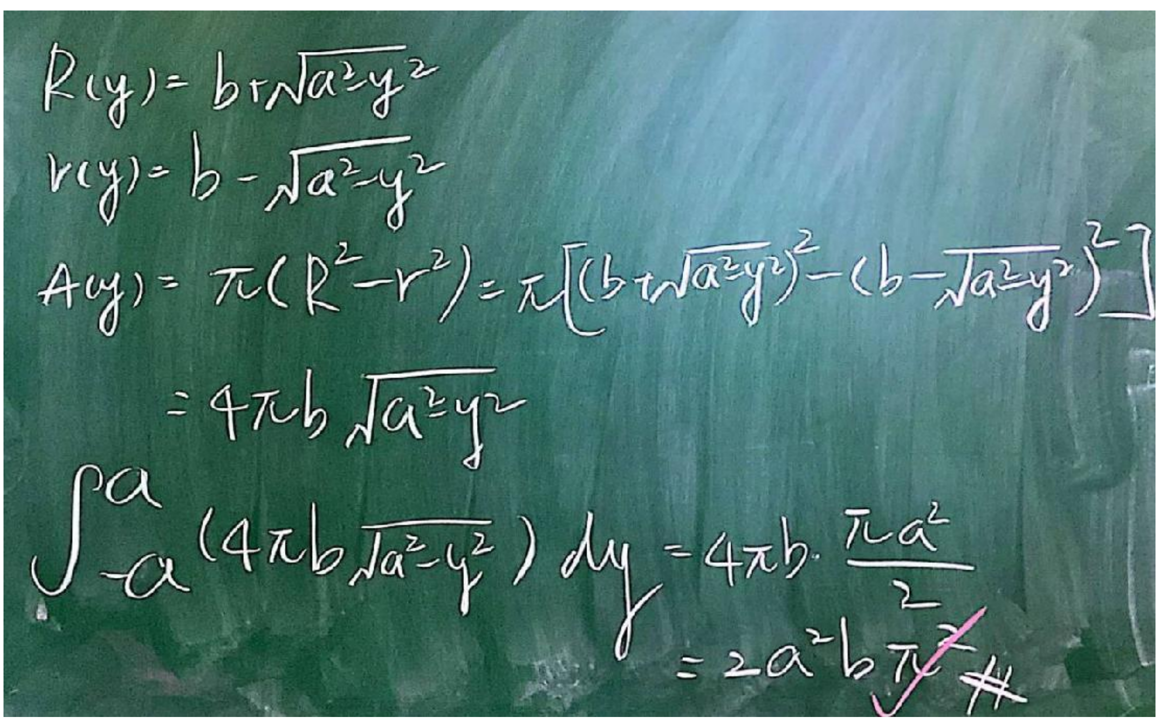

Figure 8: Solution to Section 6.1, problem 55

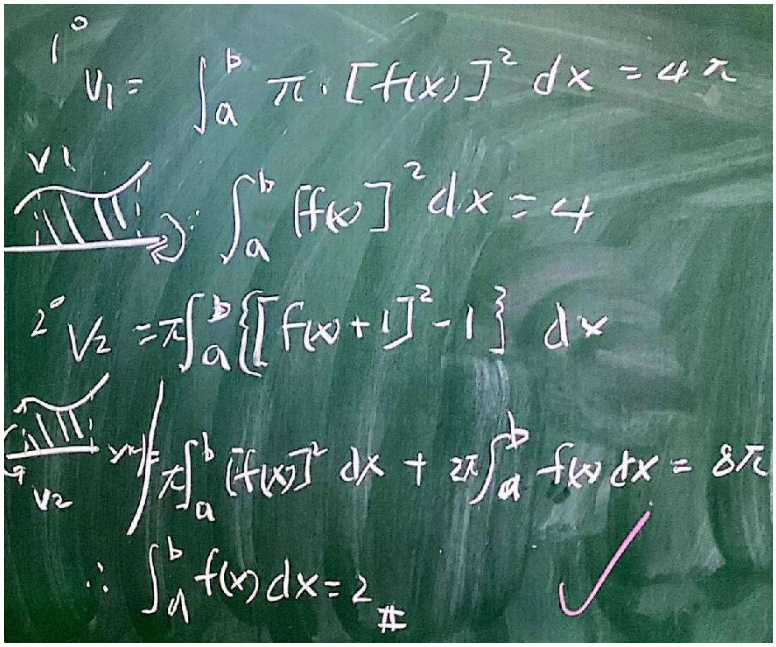

Figure 9: Solution to Section 6.1, problem 63

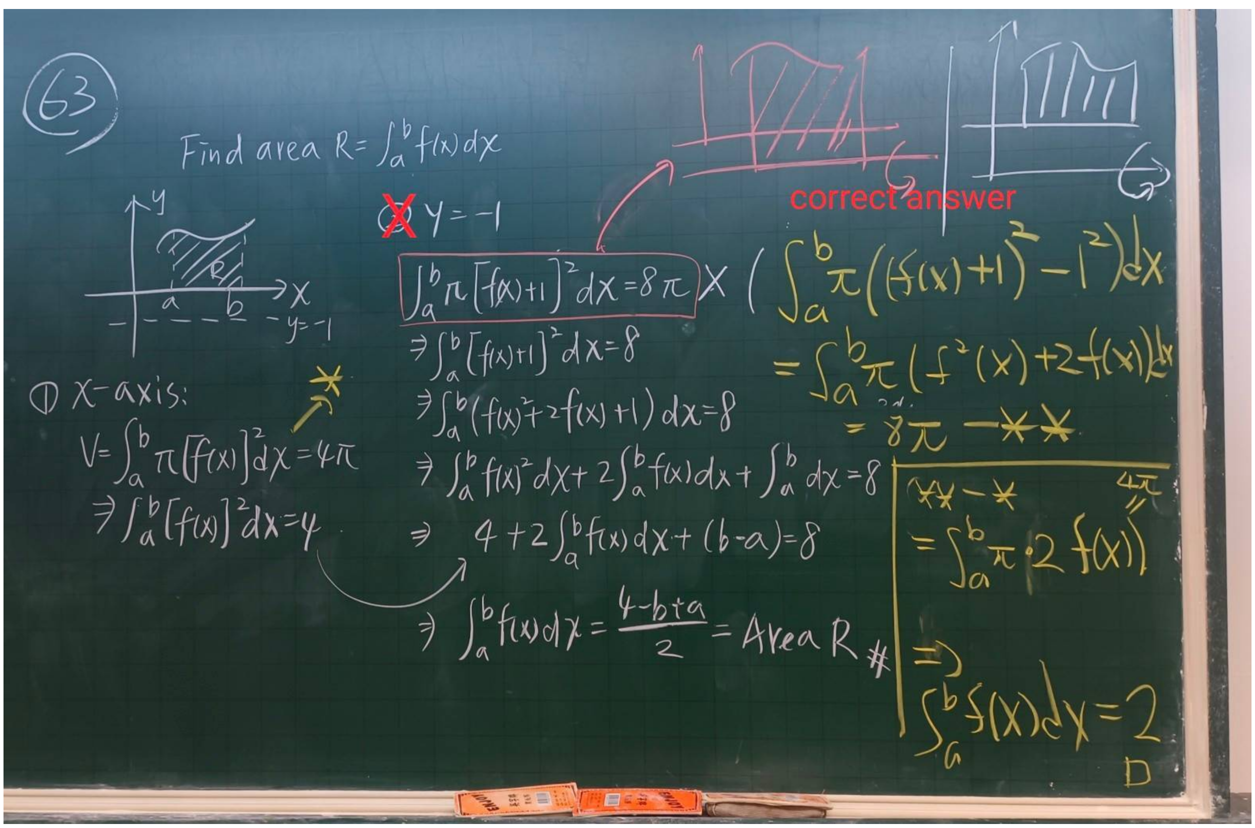

Figure 10: Solution to Section 6.1, problem 63, more details.

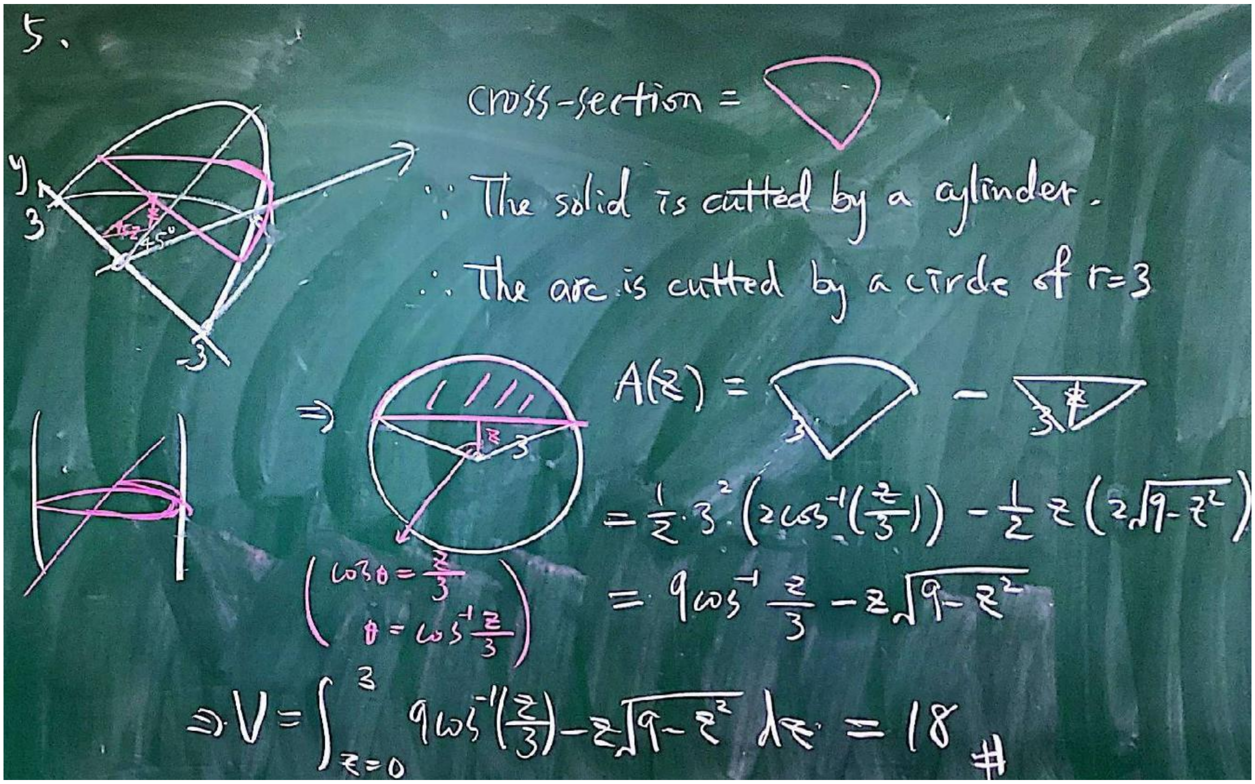

Figure 11: Solution to problem 5