Brief solutions to selected problems in homework 06

1. Section 3.8: Solutions, common mistakes and corrections:

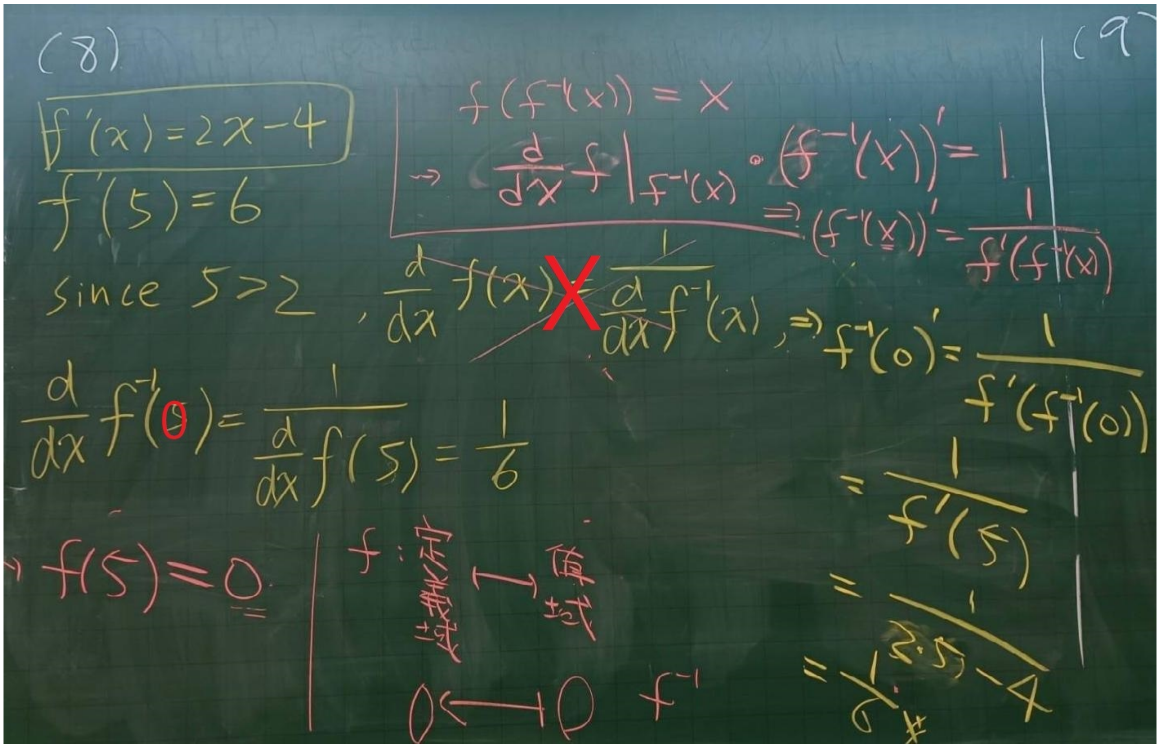

Figure 1: Solution to Section 3.8, problem 8 and some corrections

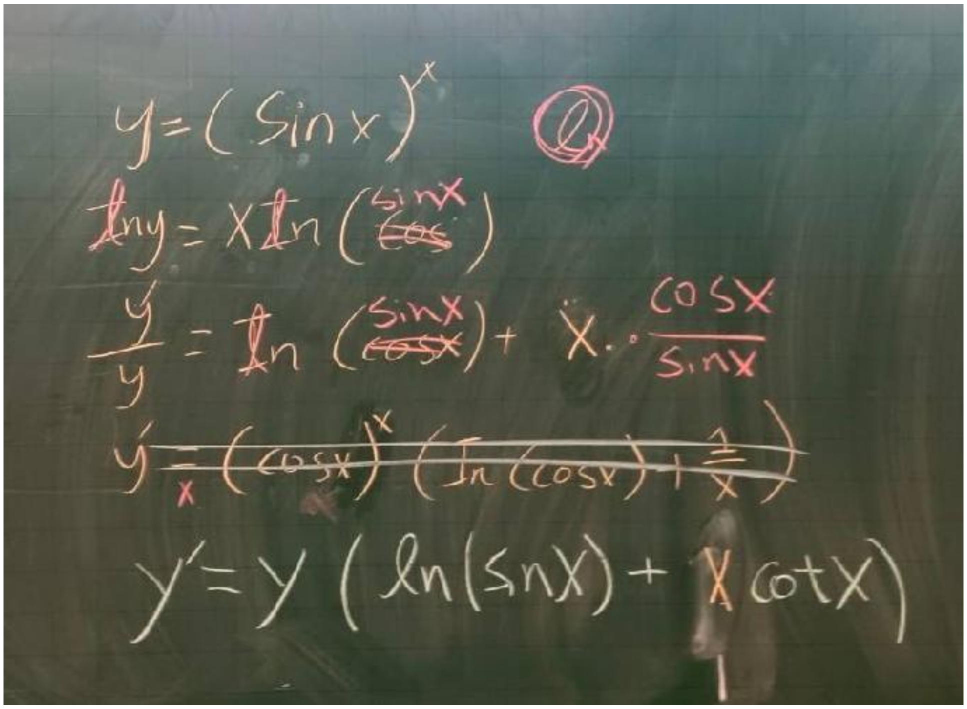

Figure 2: Solution to Section 3.8, problem 93. Alternative method: start with $y = \left(e^{\ln \sin x}\right)^x = e^{x \ln \sin x}$

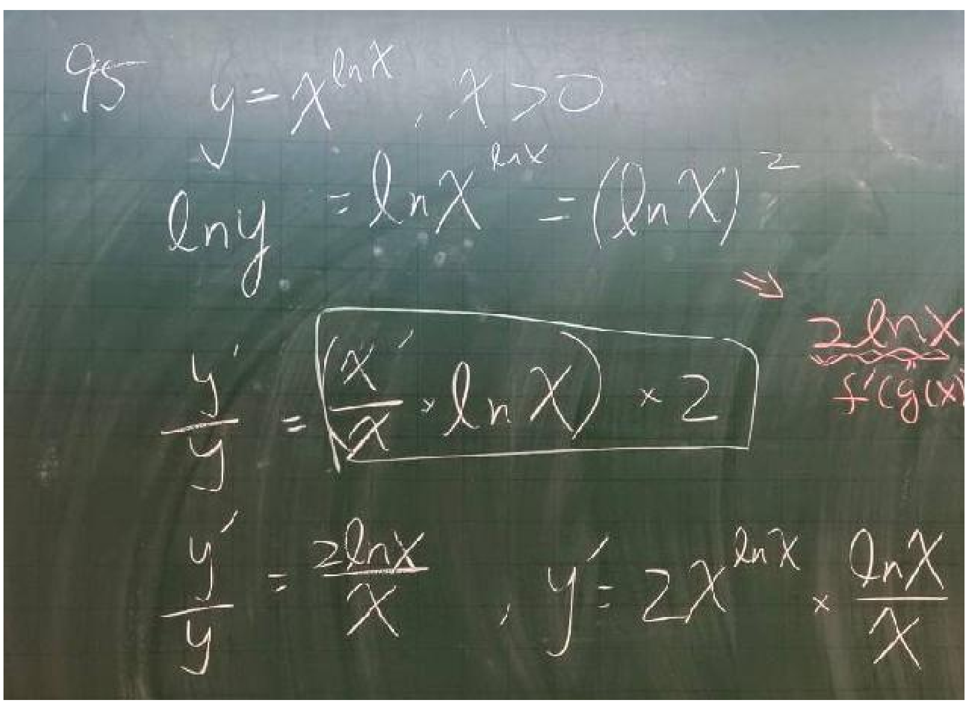

Figure 3: Solution to Section 3.8, problem 95. Alternative method: start with $y = \left(e^{\ln x}\right)^x = e^{(\ln x)^2}$

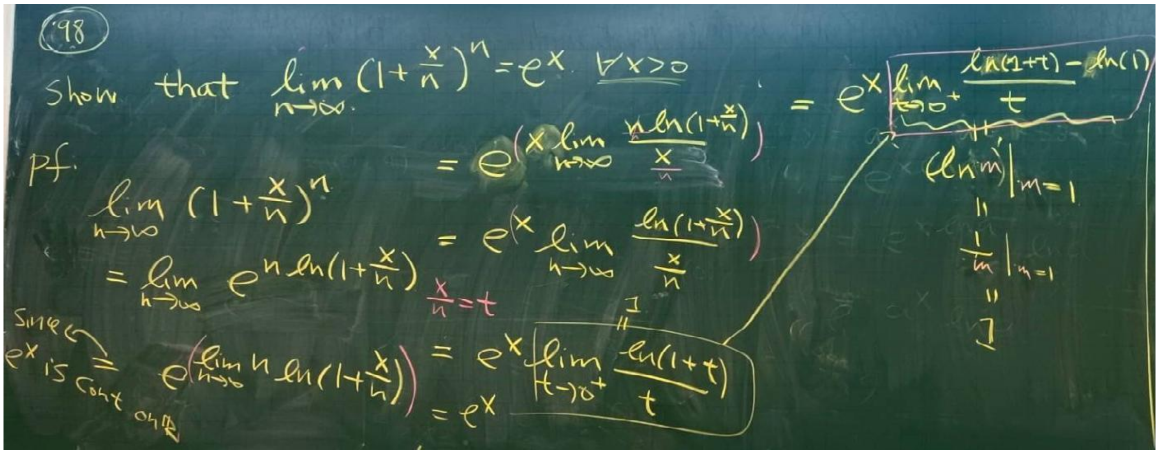

Figure 4: Solution to Section 3.8, problem 98