## Brief solutions to selected problems in homework 08

1. Section 4.5: Solutions, common mistakes and corrections:

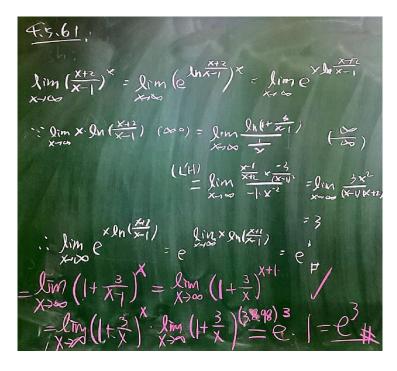


Figure 1: Solution to Section 4.5, problem 61

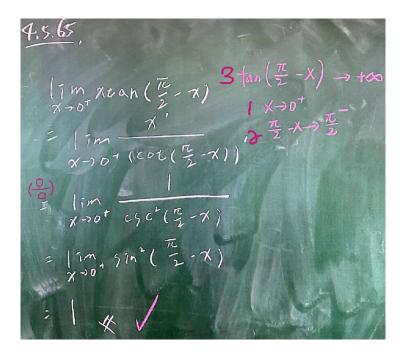


Figure 2: Solution to Section 4.5, problem 65

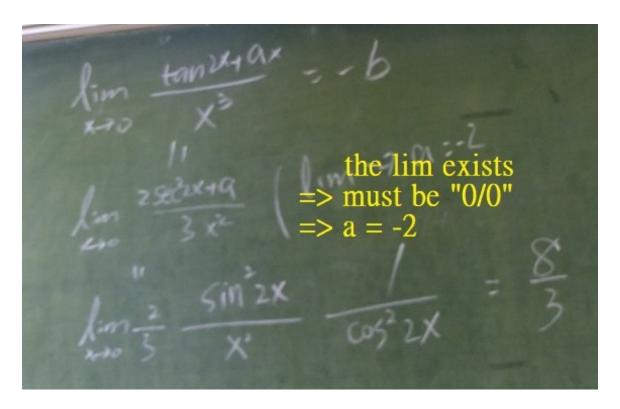


Figure 3: Solution to Section 4.5, problem 80

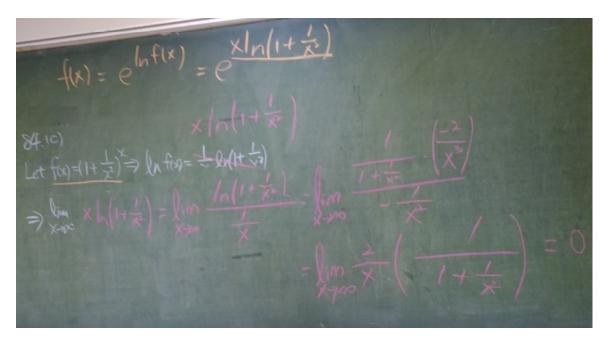


Figure 4: Solution to Section 4.5, problem 84(c)

$$\frac{1}{(n(x^{\frac{1}{N}}) = \frac{1}{2} \frac{1}{$$

Figure 5: Solution to Section 4.5, problem 84(c,d)

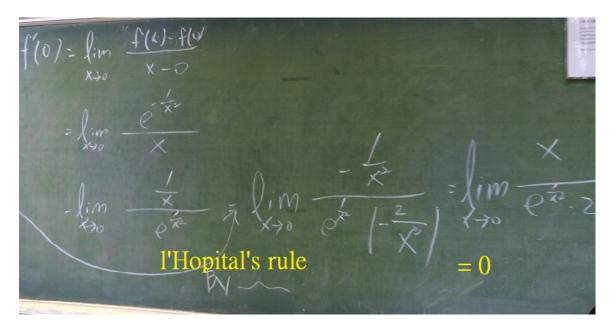


Figure 6: Solution to Section 4.5, problem 88

2. Section 4.6: Solutions, common mistakes and corrections:

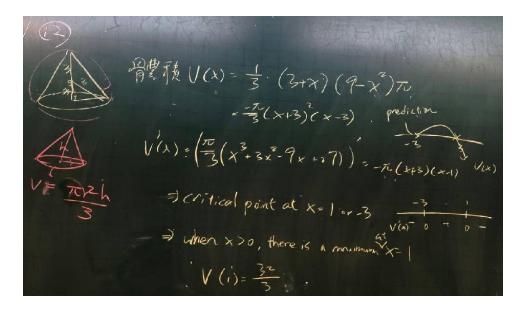


Figure 7: Solution to Section 4.6, problem 12

3. Section 4.8: Solutions, common mistakes and corrections:

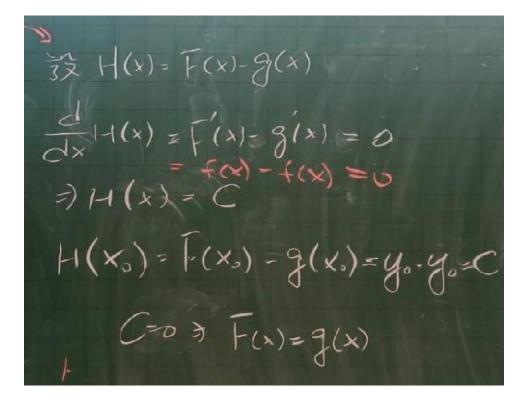


Figure 8: Solution to Section 4.8, problem 128