HW#1: Chapter 0, 1

0.9
0.12
0.13
0.14
0.18
0.23
1.1
1.2
1.3
1.4
1.12
1.18
1.23

- pp. 58, Problem 0.9 the sum defining S_1 should be

$$\sum_{n=0}^{\infty} n\alpha^{n-1}$$

- pp. 58, Problem 0.13, the sine trigonometric identity should read

$$\sin(\alpha+\beta) = \sin(\alpha)\cos(\beta) + \sin(\beta)\cos(\alpha)$$