

Math Analysis – Chapter 3 Schedule

2/25	3.1 Graphs of exponential function, compound and continuous Interest	A#22 pg. 185 (#1-13 odd, 15-18, 23-28, 29, 31, 55-58, 60, 61, 65a&b, 77-81)
2/26	3.2 Log Functions and Their Graphs	A#23 Pg. 195 (#1-29 odd, 35, 53-59 odd)
2/28	3.3 Properties of Logs Quiz on Monday 3.1 - 3.3 10 problems/32 points	A#24 Pg. 203 (#9-41 odd, 45-61 odd)
3/1	3.3 - Day 2	A#25 Pg. 203 (#10-42 even, 67-77 odd, 103-112)
3/4	3.4 Solving Exponential and Log Equations - quiz Thursday	A#26 Pg. 213 (#1, 5, 10 algebraically, 17-37 odd, 43-49 odd, 55, 73-79 odd)
3/5	3.4 Day 2 and review...	A#27: Pg. 213-215 (#18-40 even, 44-52 even, 55, 74-80 even, 87-90, 19, 111a)
3/7	Review: Quiz on Friday	A#27 Pg. 239-241 (#1, 10, 13-17, 29, 31b, 32a&b, 33-49 odd)
3/8	Quiz on 3.1-3.4	A#28 pg.241 (#57-63 odd, 65-76, 79-110 odd)
3/11	CST & Review	A#29 Review sheet for test #1-37
3/12	Review first part and test 3.1-3.4	No Homework - CAHSEE special schedule
3/14	CST Review	No Homework
3/15	No School	Furlough Day

Videos for extra help: <https://www.khanacademy.org/math/algebra/logarithms-tutorial>

<https://www.khanacademy.org/math/trigonometry/exponential-and-logarithmic-func/exp-growth-decay/v/exponential-growth>

Some important formulas and properties:

$$\log_b(x) = \frac{\log_d(x)}{\log_d(b)} \quad A = P \left(1 + \frac{r}{n} \right)^{nt} \quad A = Pe^{rt}$$

$$\log_b(mn) = \log_b(m) + \log_b(n) \quad \log_b\left(\frac{m}{n}\right) = \log_b(m) - \log_b(n) \quad \log_b(m^n) = n \cdot \log_b(m)$$

$$\log_b 1 = 0. \quad \log_b b = 1. \quad \log_b b^2 = 2. \quad \log_b b^x = x. \quad b^{\log_b x} = x. \quad \log_a b = 1/\log_b a.$$