

Math 30-1
Exponential and Logarithmic Functions

Chapter 7: Exponential Functions

Chapter 8: Logarithmic Functions



2021: Q4

Periods	Date	Topic	Homework
	*	<i>* If you are writing the Math 30-1 Diploma exam on June 17, you will need to write the Exp & Logs exam before that day!!</i> <i>That means you will need to complete this unit's work ahead of schedule --- make sure you discuss your plans with your teacher.</i>	
1	Mon June 7	7.1 Exponential Functions	p. 342: #1, 3, 4, 5ac, 6-9
****	Tues June 8	TRIG EQU'NS & ID'S EXAM	*****
2	Tues June 8	7.2 Transformations of Exponential Functions & start Applications	p. 354: #1, 2, 4, 6ab, 7, 9, 11a, 12a, and do #5c by mapping
3-4	Wed June 9	7.3 Solving Exponential Equations (<i>alg & graph</i>) & Applications Solving " $x^{2/3} = 5$ " type	p. 364: #1, 2ac, 3c, 5, 7ac, 8cd, 9, 10, 12, C1, C2, (<i>plus more compound interest: #11, 13, 14</i>) Wksht: "Page 122": #1-5 "Page 124": Omit #5 for now
5-6	Thurs June 10 ENG DIP	8.1 Introduction to Logarithms Then work time	p. 380: #1-4, 8-10
7-8	Fri June 11 SOC DIP	8.1 Logarithms (<i>solving</i>) Applications: earthquakes, pH, and decibel readings	p. 380: #11-20, and finish all parts of Day 3 worksheets p. 400: #13-16 p. 413: #9, 10, 11
		8.2 Transformations of Logs	p. 389: #1, 2, 5ac, 6ad, 7-10, 12, 16a

9-10	Mon June 14	QUIZ 8.3 Log Laws - Part I	p. 400: #1-3(ac), 5-7
11-12	Tues June 15	8.3 Log Laws - Part II - “IF” questions - Restrictions on Domains	p. 400: # 8-9 (ac), 10, 11ac (* <i>IIa</i> key should be $x > 5$) , 12ac Wksht: “ <i>Pages 119 & 135</i> ”
		8.4 Solving Log Equations	p. 412: #1, 3, 4ac, 5, 6, 8ac <i>April 2019 - Released Questions (on Google Classroom)</i>
13-14	Wed June 16	Work time 8.4 Solving Exponential Equations by taking the <i>common log</i> of each side	p. 412: #2, 7, 12, 13a, 15, 16, 18 (<i>system!</i>) Text reviews to start: - Chapter 7: Pages 366-367 - Chapter 8: Pages 416-418
*****	THURS JUNE 17	MATH 30-1 DIPLOMA EXAM	9:00 AM
15-16	Thurs June 17	Review Exponential & Logarithmic Functions Exam	Text Reviews: -Chapter 7: pages 366-367 -Chapter 8: pages 416-418