

PreCalculus – MATH 1110
Unit 3: Exponential and Logarithmic Functions

Big Ideas

- Modeling
- Problem Solving
- Relationships
- Transformations

Unit Goals

- Standard 2-1: Functions model situations where one quantity determines another and can be represented algebraically, graphically, and using tables
- Standard 2-2: Quantitative relationships in the real world can be modeled and solved using functions
- Standard 2-3: Expressions can be represented in multiple, equivalent forms

PreCalculus—October 2019

28 Teacher PD Day No classes for students	29 <i>Go over 3.1 note sheet</i> 3.1 Exponential Functions and Graphs HW #21	30 3.1 continued Exponential Graphs with e	31	
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PreCalculus—November 2019

Mon	Tue	Wed	Thu	Fri
				1 HW 21 due 3.2 Properties and Graphs of Logarithms <i>Properties of Logarithms activity</i> HW #22
4 3.3 Expanding and Condensing Logs HW #23	5 Finish 3.3	6 3.4 Solving Exponential and Log Equations HW #24 <i>Logistic Growth: Spread of Disease Activity</i>	7	8 HW 22-23 due 3.5 Logistic/Exp and Log Models HW #25
11 Finish 3.5	12 3.6 Nonlinear Models HW #26 <i>Spiral Practice 6</i>	13 Finish 3.6 3.4-3.5 Review and Practice	14	15 HW 24-25 due Chapter 3 Review HW #27 Review packet
18 Chapter 3 Review	19 Chapter 3 Review	20 HW 26-27 due Chapter 3 Test	21	22 Intro to Conic Sections 9.1 Circles HW #28 Circles Practice WS
25	26	27	28	29
Thanksgiving Break - No School!				

Chapter 3 Homework Check Sheet
Exponential and Logarithmic Functions

Date and Homework	Due Dates
Date: 10/29 Section 3.1 Exponential Functions and Their Graphs HW #21 pg189 #1-25odd, 33, 39, 53, 59, 63, 73	Mon 11-4
Date: 10/30 Section 3.2 Logarithmic Functions and Their Graphs HW #22 pg199 #7, 11, 15, 19, 23, 25, 27, 37, 39, 41, 51, 53, 55-59odd, 81-87odd	Fri 11-8
Date: 11/1 Section 3.3 Properties of Logarithms HW #23 pg207 #13-19odd, 29, 31, 37-43odd, 47-63odd, 69-81odd, 93-105odd	Tues 11-12
Date: 11/5 Section 3.4 Solving Exponential and Logarithmic Equations HW #24 pg217 #7, 9, 15-29odd, 37-51odd, 55-65odd, 83, 85, 91-103odd, 131, 133, 143-149	Fri 11-15
Date: 11/8 Section 3.5 Exponential and Logarithmic Models HW #25 pg228 #7-17odd, 29, 31, 35, 41-47odd, 57	Mon 11-18
Date: 11/12 Section 3.6 Nonlinear Models HW #26 pg238 #5-13all, 15, 19, 23, 37	Extra credit Thur 11-21
Date: 11/15 3.1 – 3.6 Review HW #27 Chapter 3 Review packet	Thur 11-21
Date: 11/15-17 Chapter 3 Test	Thur 11-21

Some worked-out solutions and help available at www.calcchat.com

Video Instruction and Examples: <http://mathispower4u.yolasite.com/>

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