

Exponential, Logistic, and Logarithmic Functions

| <u>Date</u> | <u>Lesson</u> | <u>Target</u> | <u>HW Assignment</u> |
|-------------|--|---------------|--|
| 8-Oct | NO SCHOOL -- Columbus Day | N/A | No Additional Homework |
| 9-Oct | <i>Pre-Test for Unit 3 (PERA)</i> 3.1 Exponential and Logistic Functions | 3A | No Additional Homework |
| 10-Oct | 1/2 Day Schedule 3.1 Exponential and Logistic Functions | 3A | HW3-1--p.262 #31,33,41,43,45,46,56,57 |
| 11-Oct | 3.3 Logarithmic Functions & Their Graphs | 3B | Begin HW3-2 |
| 12-Oct | 1/2 Day Schedule - Homecoming 3.3 Logarithmic Functions & Their Graphs | 3B | HW3-2--p.281 #1-35 odd,59,62 |
| 15-Oct | 3.4 Properties of Logarithmic Functions | 3C/3E | HW3-3--p.289 #1-21 odd,29,31,52,53 |
| 16-Oct | Late Start Schedule 3.4 Properties of Logarithmic Functions | 3C/3E | Study for Quiz 3.1, 3.3, & 3.4 (3A/B/C/E) |
| 17-Oct | 3.5 Equation Solving and Modeling Quiz 3.1, 3.3, & 3.4 (Targets 3A/B/C/E) | 3B | HW3-4--p.301 #1,3,6,11,13,16,17,27 |
| 18-Oct | NO SCHOOL -- P/T Conferences | N/A | No Additional Homework |
| 19-Oct | 3.5 Equation Solving and Modeling | 3B | HW3-5--p.301 # 29,35,37,39,41,45,47 |
| 22-Oct | 3.1 and 3.3 Transformations of Exponential and Logarithmic Functions | 3D | HW3-6--p.262 #16,19,23,25,27,30 |
| 23-Oct | Late Start Schedule 3.1 and 3.3 Transformations of Exponential and Logarithmic Functions | 3D | HW3-7--p.281 #37,40,41,43,47,50,53,57 |
| 24-Oct | 3.2 Exponential and Logistic Modeling | 3F | HW3-8--p.270 #1,3,12,18,19,29,33,39,43 |
| 25-Oct | 3.2 Exponential and Logistic Modeling | 3F | HW3-9--p.271 #23,28,45,47,50 |
| 26-Oct | 3.6 Mathematics of Finance | 3G | HW3-10--p.310 #1,8,11,21,23 |
| 29-Oct | 3.6 Mathematics of Finance | 3G | HW3-11--p.311 #25,29,42,46 |
| 30-Oct | Late Start Schedule <i>Built-in Lab Day or Khan Activity</i> | N/A | Finish Lab/Activity |
| 31-Oct | <i>Key Concept 3 Review</i> | N/A | HW3-12--Key Concept 3 Review |
| 1-Nov | <i>Key Concept 3 Review</i> | N/A | Study for Test |
| 2-Nov | Key Concept 3 TEST | N/A | NO Additional Homework |

Unit 3 Targets

Target 3A: Identify and analyze properties of exponential, logarithmic, and logistic functions and their graphs

Target 3B: Know and understand the inverse relationships of exponential and logarithmic equations

Target 3C: Understand properties of common and natural logarithmic functions

Target 3D: Rigid and non-rigid transformation of exponential and logarithmic functions

Target 3E: Know and apply product, quotient and power rules of logarithmic functions

Target 3F: Model real world situations and use regressions with the use of functions

Target 3G: Solve real-world applications using exponential and logarithmic functions