

Unit 3: Exponential Functions

E1: Evaluate powers with rational exponents, simplify expressions containing exponents, and describe properties of exponential functions represented in a variety of ways.

E2: Make connections between the numeric, graphical, and algebraic representations of exponential functions.

E3: Identify and represent exponential functions, and solve problems involving exponential functions, including problems arising from real-world applications.

Lesson	Topic	Homework
3.1	Exponential Growth and Decay	p. 155 #1, 9, 10 p. 167 #8, 12
3.2	Exponent Laws	HW Handout 3.2/3.3 Circled questions
3.3A	Rational exponents	HW Handout 3.2/3.3 Squared questions
3.3B	Work Period	Work Period Handout 3.2/3.3
3.4	Properties of Exponential Functions ** Bring Technology for Desmos **	p. 185 #1, 3, 4, 5, 7ac, 10, 11 (use Desmos for 7ac and 10)
3.5	Transformations of Exponential Functions	p. 195 #C1, C2, 1, 4, 6-8, 10, 12, 13
3.6	Solving Exponential Equations	HW Handout 3.6
3.7	Exponential Applications	HW Handout 3.7
	Review	p. 210 #1 - 13 p. 212 #1 - 12

Test Date: _____