

Algebra 1 Unit 4: Exponential Functions EOC Review Resources

Must Do:

Complete the Unit 4 Sample Questions and check your answers. Mark the topics in which you will need more practice.

- _____ 4.1 – Create Equations that Describe Numbers or Relationships _____ out of 1 correct
- _____ 4.2 – Build a Function that Models a Relationship between Two Quantities _____ out of 2 correct
- _____ 4.3 – Build New Functions from Existing Functions _____ out of 2 correct
- _____ 4.4 – Understand the Concept of a Function and Use Function Notation _____ out of 4 correct
- _____ 4.5 – Interpret Function in Terms of Context _____ out of 2 Correct
- _____ 4.6 – Analyze Functions using Different Representations _____ out of 1 Correct

Helpful Resources per Topic:

On Your Formula Sheet	Exponential Equation, Geometric Sequence Formulas (Recursive and Explicit), Compound Interest Formula
Positive and Negative Exponent Rules	<ol style="list-style-type: none"> 1. Khan Academy: <ol style="list-style-type: none"> a. bit.ly/4ExpRules b. bit.ly/4NegExp 2. Practice Worksheets: bit.ly/KutaPractice 3. USA Test Prep Standards <ol style="list-style-type: none"> a. 8th Grade Standards – Expressions and Equations 1
Graphing Exponential Functions	<ol style="list-style-type: none"> 1. Khan Academy: <ol style="list-style-type: none"> a. bit.ly/4ExpGraph 2. Practice Worksheets: bit.ly/KutaPractice 3. Quizizz Collection: bit.ly/QuizizzTwo <ol style="list-style-type: none"> a. Exponential Functions (10 Qs), b. Graphing Exponential Functions, c. Exponential Functions (25 Qs) 4. USA Test Prep Standards <ol style="list-style-type: none"> a. Functions 7, 9, 14, 19
Growth and Decay	<ol style="list-style-type: none"> 1. Khan Academy: <ol style="list-style-type: none"> a. bit.ly/4Exponential 2. Practice Worksheets: bit.ly/KutaPractice 3. USA Test Prep Standards <ol style="list-style-type: none"> a. Functions 16, 18
Geometric Sequences	<ol style="list-style-type: none"> 1. Khan Academy: <ol style="list-style-type: none"> a. bit.ly/AGSequences 2. Practice Worksheets: bit.ly/KutaPractice 3. Quizizz Collection: bit.ly/QuizizzTwo <ol style="list-style-type: none"> a. Geometric Sequences, b. Solving Exponential Functions/Geometric Sequences 4. USA Test Prep Standards <ol style="list-style-type: none"> a. Functions 3, 13