Place a checkmark or the date when items are completed. For tests, record the score if preferred.

Lesson	Explore	Practice 1	Mastery Check	Practice 2	Targeted Review	Lesson Test
37 Exponential Functions						
38 Exponential Equations and Inequalities						
39 Introduction to Logarithms						
40 Logarithmic Properties (Properties of Logs)						
41 Common Logs						
42 Natural Logs						
43 Logarithmic Functions						
44 Applications of Exponents and Logarithms						

Unit 5 Test   Date: _____   Score: _____

Lesson Objectives

Check each objective that the student has mastered.

Lesson 37
- ☐ Graph an exponential function.
- ☐ Describe transformations of exponential functions.
- ☐ Transform an exponential function.
- ☐ Write an exponential function given two points.

Lesson 38
- ☐ Solve exponential functions.
- ☐ Solve exponential inequalities.

Lesson 39
- ☐ Write an exponential expression or equation in logarithmic form.
- ☐ Write a logarithmic expression or equation in exponential form.
- ☐ Evaluate a logarithmic expression.

Lesson 40
- ☐ Rewrite logarithmic expressions using the logarithmic properties.
- ☐ Solve logarithmic equations.

Lesson 41
- ☐ Approximate the value of logarithm expressions.
- ☐ Solve logarithmic equations with common logs.

Lesson 42
- ☐ Write equivalent expressions using natural logarithms and the number e.
- ☐ Use the properties of logarithms to simplify or evaluate expressions with natural logarithms and the number e.
- ☐ Solve natural logarithm equations.

Lesson 43
- ☐ Write the inverse of an exponential and logarithmic function.
- ☐ Graph a logarithmic function.
- ☐ Transform a logarithmic function.
- ☐ Describe logarithmic functions in words and with an equation.

Lesson 44
- ☐ Apply the properties of exponents and logarithms.
- ☐ Apply exponential and logarithmic formulas to real-life scenarios.