Unit 4: Exponential and Logarithmic Functions

1.01a   Create and use calculator-generated models for linear, polynomial, exponential, trigonometric, power, and logarithmic functions of bivariate data to solve problems. Interpret the constants, coefficients, and bases in the context of the data.

1.01b   Create and use calculator-generated models for linear, polynomial, exponential, trigonometric, power, and logarithmic functions of bivariate data to solve problems. Check models for goodness-of-fit; use the most appropriate model to draw conclusions and make predictions.

2.01a   Use logarithmic (common, natural) functions to model and solve problems; justify results. Solve using tables, graphs, and algebraic properties.

2.01b   Use logarithmic (common, natural) functions to model and solve problems; justify results. Interpret the constants, coefficients, and bases in the context of the problem.

Day	Topic	Activity
1 Monday, Mar. 12	**Unit 4 Day 1 Notes:** Graphing Exponential Functions	
2 Tuesday, Mar. 13	**Unit 4 Day 2 Notes:** Graphing Logarithmic Functions	
3 Wednesday, Mar. 14	**Unit 4 Day 3 Notes:** Exponential Applications	
4 Thursday, Mar. 15	**Quiz (Days 1-3)**	**Unit 4 Quiz**
5 Friday, Mar. 16	**Unit 4 Day 4 Notes:** Properties of Logarithmic Functions	
6 Monday, Mar. 19	**Unit 4 Day 5 Notes:** Solving exponential and logarithmic equations	
7 Tuesday, Mar. 20	**Unit 4 Day 6 Notes:** Word problems, using logs to solve	
8 Wednesday, Mar. 21	Review	
9 Thursday, Mar. 22	**Test**	**Unit 4 Test**