Name: Langteau		Grading Quarter: 4	Week Beginning: Week 2
School Year: 2024/2025		Subject: Algebra 1	
Monday	Notes: Operations with Radical Expressions Day 1	Objective: Students will be able to add, subtract, multiply, and divide radical expressions using properties of square roots and exponent rules. Lesson Overview: Students will explore how to perform operations with radicals by simplifying expressions and rationalizing denominators. They will engage in guided practice, collaborative problem-solving, and real-world applications of radical operations.	Academic Standards: HS.N-RN.A.2 – Rewrite expressions involving radicals and rational exponents using the properties of exponents.
Tuesday	Notes: Operations with Radical Expressions Day 2	Objective: Students will be able to add, subtract, multiply, and divide radical expressions using properties of square roots and exponent rules. Lesson Overview: Students will explore how to perform operations with radicals by simplifying expressions and rationalizing denominators. They will engage in guided practice, collaborative problem-solving, and real-world applications of radical operations.	Academic Standards: HS.N-RN.A.2 – Rewrite expressions involving radicals and rational exponents using the properties of exponents.
Wednesday	Notes: Exponential Equations	Objective: Students will be able to solve exponential equations using properties of exponents and logarithms when necessary. Lesson Overview: Students will learn how to solve exponential equations by rewriting bases, applying logarithms, and using real-world applications. They will work through step-by-step examples and practice solving equations independently and in pairs.	Academic Standards: HS.A-REI.D.3 – Solve exponential equations and interpret their solutions in context.

Thursday	Notes: Exponential Functions	Objective: Students will be able to identify, evaluate, and graph exponential functions while understanding their real-world applications. Lesson Overview: Students will explore the characteristics of exponential functions, including growth and decay. They will practice evaluating functions, interpreting graphs, and applying exponential models to word problems.	Academic Standards: HS.F-LE.A.2 – Construct and compare linear and exponential models to solve problems.
Friday	Notes:	Objective: Students will be able to apply their understanding of radical operations, exponential equations, and exponential functions to solve problems accurately. Lesson Overview: Students will participate in a structured review, completing practice problems and collaborative activities to reinforce the week's concepts. They will also have time to make up late or missing assignments.	Academic Standards: HS.F-LE.A.2 – Construct and compare linear and exponential models to solve problems.