Name: Janet Rex		Grading Quarter: 2	Week Beginning: 11/18/2024
School Year: 2024-2025		Subject: Algebra 2 Honors	
Monday	Notes: Materials:	Objective: Students will be able to use polynomial models to solve problems. Lesson Overview: Notes – End behavior, domain, range, degree, zeros. Find without technology.	Academic Standards: A.CED.2 Create equations in two or more variables to represent relationships between quantities; graph equations on coordinate axes with labels and scales. F.IF.5 Relate the domain of a function to its graph and, where applicable, to the quantitative relationship it describes.
Tuesday	Notes:	Objective: Students will be able to use polynomial models to solve problems. Lesson Overview: Notes – Use technology to find the characteristics from previous lesson.	Academic Standards: A.CED.2 Create equations in two or more variables to represent relationships between quantities; graph equations on coordinate axes with labels and scales. F.IF.5 Relate the domain of a function to its graph and, where applicable, to the quantitative relationship it describes
Wednesday	Notes:	Objective: Students will be able to analyze polynomial graphs. Lesson Overview: Notes – How to find extrema of a polynomial. Interpret meaning of maximums and minimums in the context of a word problem.	Academic Standards: F.IF.4 Interpret functions that arise in applications in terms of the context. For a function that models a relationship between two quantities, interpret key features of graphs and tables in terms of the quantities, and sketch graphs showing key features given a verbal description of the relationship.

Thursday	Notes:	Objective: Students will be able to perform operations on polynomials. Lesson Overview: Notes – Addition and subtraction of polynomials (pay attention to distributing negatives). Multiplying and dividing, beyond "foiling" (how to multiply monomials, binomials, and trinomials)	Academic Standards: A.APR.1 Perform arithmetic operations on polynomials. Understand that polynomials form a system analogous to the integers, namely, they are closed under the operations of addition, subtraction, and multiplication; add, subtract, and multiply polynomials.
Friday	Notes: Materials: quiz	Objective: Students will be able to answer ACT practice problems. Lesson Overview: Use ACT practice problems to review concepts from Modules 1-3	Academic Standards: A.APR.1 Perform arithmetic operations on polynomials. Understand that polynomials form a system analogous to the integers, namely, they are closed under the operations of addition, subtraction, and multiplication; add, subtract, and multiply polynomials.