TEHACHAPI HIGH SCHOOL WEEKLY LESSON PLAN

Course __Algebra II__ Period(s) __All__ Teacher _____ Clifton/Kimbrough _____ Week Beginning ____ 1/6/20 ____

	Objectives (AIM)	Lesson Activities (AGENDA)	Assignments (HOMEWORK)
	What standards and objectives will be addressed?	**What will the teacher and students be doing during the class period?**	Class work, homework, projects, presentations, papers, tests, etc. And dates due
Monday	Standard: F.IF.9 Compare properties of two functions each represented in a different way (algebraically, graphically, numerically in tables, or by verbal descriptions). F.BF.1.b Combine standard function types using arithmetic operations. Objective: Operations on Functions (6-1)	Students will find the sum, difference, product and quotient and composition of functions.	Warm-Ups: None Homework: p389 1-15 odd
Tuesday	Standard: F.IF.9 Compare properties of two functions each represented in a different way (algebraically, graphically, numerically in tables, or by verbal descriptions). F.BF.1.b Combine standard function types using arithmetic operations. Objective: Operations on Functions (6-1)	Students will find the sum, difference, product and quotient and composition of functions.	Warm-Ups: Due in Class. Homework: p389 17-35 odd, 39-49 odd, 53-57 odd
Wednesday	Standard: F.IF.4 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. F.BF.4.a Find inverse functions. - Solve an equation of the form $f(x) = c$ for a simple function f that has an inverse and write an expression for the inverse. Objective: Inverse Functions and Relations (6-2)	Students will determine the number and types of roots for a polynomial function and find the function's zeros.	Warm-Ups: None. Homework: p396 1-13 odd
Thursday	Standard: F.IF.4 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. F.BF.4.a Find inverse functions. - Solve an equation of the form $f(x) = c$ for a simple function f that has an inverse and write an expression for the inverse. Objective: Inverse Functions and Relations (6-2)	Students will determine the number and types of roots for a polynomial function and find the function's zeros.	Warm-Ups: Due in Class. Homework: p396 15-39 odd, 41-49 odd, 61-69 odd
Friday	Standard: F.IF.7.b Graph square root, cube root, and piecewise-defined functions, including step functions and absolute value functions. F.BF.3 Identify the effect on the graph of replacing $f(x)$ by $f(x) + k$, $k f(x)$, $f(kx)$, and $f(x + k)$ for specific values of k (both positive and negative); find the value of k given the graphs. Experiment with cases and illustrate an explanation of the effects on the graph using technology. Objective: Square Root Functions and Inequalities (6-3)	Students will graph and analyze square root functions and inequalities.	Warm-Ups: None. Homework: p403 1-17 odd

Due in office first day of each school week. Distribution: original to office, 1 copy to post in classroom, 1 copy for teacher records.