

Quadratics: Unit Schedule

When			Topics/Student Objectives
9/8	Monday	1	Factoring Quadratic Expressions Recognize standard and vertex form of a quadratic expression or equation. Be able to put a quadratic equation in standard form. Factor a quadratic expression into its factor pair.
9/9	Tuesday	2	Solving Quadratic Equations By Factoring and Graphing Find the solution (roots/zeros) of a quadratic equation by factoring. Find the solution (roots/zeros) of a quadratic equation by entering the equation in a graphing calculator and finding the zeros.
9/10	Wednesday	3	Quadratic Formula and Complex Roots Use the quadratic formula to solve a quadratic expression. Recognize the difference between complex roots and real roots and represent the changes both graphically and with the quadratic formula.
9/11	Thursday	4	Vertex Form and Completing the Square Use the method of Completing the Square to convert a standard form quadratic equation into vertex form.
9/12	Friday	5	QUIZ –Solving Quadratic Equations Solving Radical Equations Solve radical equations and identify any extraneous solutions.
9/15	Monday	6	Writing Equations From Roots Given the roots of a quadratic function, write a quadratic equation for the function.
9/16	Tuesday	7	Quadratics OF Best Fit, Modeling Use the graphing calculator to create a quadratic model for collected data points. Solve real world problems using quadratic models.
9/17	Wednesday	8	QUIZ – Complex Numbers Focus and Directrix Use the geometric definition/ properties of a parabola to create quadratic functions. Use a quadratic function equation to determine the Focus and Diretrix of the parabola
9/18	Thursday	9	Focus and Diretrix continued, Test Review
9/19	Friday	10	UNIT TEST