

CURRICULUM MAP: GEOMETRY REGENTS

RCSD- Department of Mathematics
2010 - 2011

Pacing	Unit/Essential Questions	Essential Knowledge-Content/Performance Indicators (What students must learn)	Essential Skills (What students will be able to do)	Vocabulary	Resources
9/2-9/10 6 days	Unit of Review 1. How do you solve equations with fractions using inverse operations or using the LCD to clear denominators in the equation? 2. How do you factor algebraic expressions? 3. How do you solve quadratic equations graphically and algebraically?	Student will review: A.A.19 Identify and factor the difference of two squares A.A.20 Factor algebraic expressions completely, including trinomials with a lead coefficient of one (after factoring a GCF) A.A.22 Solve all types of linear equations in one variable. A.A.25 Solve equations involving fractional expressions. Note: Expressions which result in linear equations in one variable A.A.27 Understand and apply the multiplication property of zero to solve quadratic equations with integral coefficients and integral roots A.A.28 Understand the difference and connection between roots of a quadratic equation and factors of a quadratic expression. A.G.4 Identify and graph quadratic functions A.G.8 Find the roots of a parabolic function graphically.	Students will review: 1. Solve multi-step equations (including Fractions) 2. Factoring all types. 3. Graph quadratic functions and solve quadratic equations algebraically and graphically. 4. Solve systems of linear & quadratic equations graphically & algebraically.	✓ quadratic function ✓ quadratic equation ✓ linear function ✓ linear equation ✓ system of equations ✓ parabola ✓ algebraic expression ✓ monomial ✓ binomial ✓ trinomial ✓ polynomial ✓ coefficient ✓ GCF ✓ multiplication property of zero ✓ factor	<p style="text-align: center;">JMAP A.A.19, A.A.20, A.A.22, A.A.25, A.A.27 A.A.28, A.G.4 A.G.8</p> <p style="text-align: center;">RegentsPrep.org Solving Fractional Equations Linear Equations Factoring Quadratic Equations Graphing Parabolas</p>