



# Independent School District of Boise City Curriculum Map

## Accelerated Algebra 2 Mathematics

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### Scope and Sequence Summary

Math Vocabulary	<i>Ongoing</i>
Basic Concepts of Algebra	1 week
Inequalities and Proofs	1 week
Linear Equations and Functions	3 weeks
Products & Factors of Polys	2.5 weeks
Rational Expressions	2 weeks
Irrational and Complex Numbers	3 weeks
Quadratic Equations & Functions	3 weeks
Variations & Poly Equations	2 weeks
Analytic Geometry	2.5 weeks
Exponential and Log Functions	3 weeks
Triangle Trigonometry	3.5 weeks
Trigonometric Graphs	1 week
Statistics	1 week
Matrices and Determinants	3.5 weeks

<u>Test</u>	<u>Window</u>
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Idaho State Achievement Test	End of 1 <sup>st</sup> Semester
<b>ISAT</b>	Early Apr.- May
Acc Alg 2 EOC	End of 2 <sup>nd</sup> Semester

## Scope and Sequence

### Accelerated Algebra 2 – Algebra and Trigonometry, Structure and Method Book 2

#### Semester 1

Ch 1: Basic Concepts of Algebra  
Ch 2: Inequalities and Proofs  
Ch 3: Linear Equations and Functions  
Ch 4: Products and Factors of Polynomials  
Ch 5: Rational Expressions  
Ch 6: Irrational and Complex Numbers  
Ch 7: Quadratic Equations and Functions

Review Semester and EOC (Part 1 with calculator, Part 2 without calculator)

#### Semester 2

Ch 8: Variations and Polynomial Equations  
Ch 9: Analytic Geometry  
Ch 10: Exponential and Logarithmic Functions  
Ch 12: Triangle Trigonometry  
Ch 13: Trigonometric Graphs; Identities  
Ch 15: Statistics and Probability  
Ch 16: Matrices and Determinants

Review Semester II and EOC (Part 1 with calculator, Part 2 without calculator)

## Scope and Sequence

### Accelerated Algebra 2 – Algebra and Trigonometry, Structure and Method Book 2

#### Semester 1

Ch 1: Basic Concepts of Algebra  
Ch 2: Inequalities and Proofs  
Ch 3: Linear Equations and Functions  
Ch 4: Products and Factors of  
Polynomials  
Ch 5: Rational Expressions  
Ch 6: Irrational and Complex Numbers  
Ch 7: Quadratic Equations and Functions

Review Semester I and EOC (Part 1 with  
calculator, Part 2 without calculator)

#### Semester 2

Ch 8: Variations and Polynomial Equations  
Ch 9: Analytic Geometry  
Ch 10: Exponential and Logarithmic  
Functions  
Ch 12: Triangle Trigonometry  
Ch 13: Trigonometric Graphs: Identities  
Ch 15: Statistics and Probability  
Ch 16: Matrices and Determinants

Review Semester II and EOC (Part 1 with  
calculator, Part 2 without calculator)

<b>Accelerated Algebra 2 Performance Objectives</b>			
<b>Unit I</b>	<b>Basic Concepts of Algebra</b>	<b>Time Frame: Sem I (1 week)</b>	
<b>No.</b>	<b>Performance Objective</b>	<b>Resource Reference</b>	<b>Assessment</b>
1.	Explain the similarities and differences in the subsystems of real numbers.	Text: Chapter 1, Sections 1 and 2	
2.	Use the order of operations to simplify numerical expressions	Text: Chapter 1, Sections 3 through 6	EOC
3.	Translate an English phrase or sentence into an algebraic expression or equation and vice versa	Text: Chapter 1, Section 8	
4.	Evaluate an algebraic expression using rational numbers	Text: Chapter 1, Section 2	EOC
5.	Solve equations in one variable.	Text: Chapter 1, Sections 2 through 7 and 9	
<b>Unit II</b>	<b>Inequalities and Proof</b>	<b>Time Frame: Sem I (1 week)</b>	
1.	Use equations with one variable to solve word problems.	Text: Chapter 1, Sections 8 and 9	
2.	Solve compound and absolute value inequalities and equations	Text: Chapter 2, Sections 2 and 4	EOC
3.	Solve equations and inequalities with one variable and recognize the solutions when graphed or when written in set notation.	Text: Chapter 2, Section 1	
4.	Solve inequalities with one variable in word problems.	Text: Chapter 2, Section 1 and 3	
5.	Recognize an inequality on a number line.	Text: Chapter 2, Sections 1 and 3	
6.	Solve absolute value equations.	Text: Chapter 2, Section 4	EOC
7.	Solve compound inequalities and equations.	Text: Chapter 2, Section 2	EOC
8.	Solve compound and absolute value inequalities and equations.	Text: Chapter 2, Section 4 and 5	EOC
9.	Simplify numerical expressions using absolute value	Text: Chapter 2, Section 4	EOC
10.	Recognize and use an inequality in a problem situation.	Text: Chapter 2, Section 3	EOC
11.	Apply algebra, geometry, and other mathematical strands together in order to solve real world problems using mathematical language and representation.	Text: Chapter 2, Section 3	EOC
12.	Use axioms, definitions, and theorems to prove properties of real numbers.	Text: Chapter 2, Section 6	TWA
13.	Use axioms, definitions, and theorems to prove properties of inequalities and absolute values.	Text: Chapter 2, Section 7	TWA
14.	Graph linear and absolute value equations and determine the equations from a graph.	Text: Chapter 2, Sections 1 and 5	EOC
15.	Identify the graph of a linear or absolute value equation.	Text: Chapter 2, Section 2	EOC
16.	Graph linear or absolute value inequalities and determine an inequality from a graph.	Text: Chapter 2, Section 5	

Unit III		Linear Equations and Functions	Time Frame: Sem I (3 weeks)
1.	Graph horizontal and vertical lines, given the equation.	Text: Chapter 3, Section 2	TWA,EOC
2.	Find the x and y intercepts of a linear equation.	Text: Chapter 3, Section 2	TWA,EOC
3.	Determine the slope of a line using the slope formula, the equation of the line, or the graph of an equation.	Text: Chapter 3, Section 3	EOC
4.	Graph a linear equation with two variables.	Text: Chapter 3, Sections 2 and 3	EOC
5.	Determine the linear equation of a line using the slope, y-intercept, or coordinates and compare the slopes of parallel and perpendicular lines.	Text: Chapter 3, Sections 4 and 5	EOC
6.	Graph an inequality of more than one variable.	Text: Chapter 3, Section 7	EOC
7.	Identify inequalities by observing their graph.	Text: Chapter 3, Section 7	
8.	Use measurement in word problems.	Text: Chapter 3, Sections 6 and 9	
9.	Write solutions in set notation.	Text: Chapter 3, Section 10	TWA,EOC
10.	Graph absolute value functions.	Text: Chapter 3, Section 7	TWA,EOC
11.	Identify the graph of an absolute value function and explain the effect of a transformation on a graph.	Text: Chapter 3, Section 10	
12.	Use calculators, computers, and graphing utilities in problem solving.	Text: Chapter 3, Section 7	
13.	Graph a system of linear equations involving two variables.	Text: Chapter 3, Section 5	EOC
14.	Solve systems of linear equations with two variables.	Text: Chapter 3, Section 5	EOC
15.	Find the solution for a set of linear equations and determine if the equations are consistent/inconsistent or dependent/independent.	Text: Chapter 3, Section 5	
16.	Use a graphing utility to solve systems of linear equations by graphing.	Text: Chapter 3, Section 5	TWA
17.	Solve systems of linear inequalities.	Text: Chapter 3, Section 7	EOC
18.	Create a system of inequalities from a problem and solve it using linear programming.	Text: Chapter 3 Extension, page 159	
19.	Apply algebra, geometry, and other mathematical strands together in order to solve real world problems using mathematical language and representation.	Text: Chapter 3, Section 6	EOC
20.	Use calculators, computers, and graphing utilities in problem solving.	Text: Chapter 3, Sections 8 through 10	

Unit III		Linear Equations and Functions (Cont.)	Time Frame: Sem I (still 3 weeks)
21.	Determine the domain and range of a function.	Text: Chapter 3,	

		Section 10	
22.	Determine if a graph, a set of ordered pairs, a table, or a mapping represents a function.	Text: Chapter 3, Section 10	
23.	Find the domain and range of a function given its graph.	Text: Chapter 3, Section 10	
24.	Find the domain and range of a function given the function rule.	Text: Chapter 3, Section 10	
25.	Find the range of a function given its domain.	Text: Chapter 3, Section 10	EOC
<b>Unit IV Products and Factors of Polynomials</b>		<b>Time Frame: Sem I (2 - 2.5 weeks)</b>	
1.	Simplify polynomial expressions by performing operations, including advanced monomial division.	Text: Chapter 4, Sections 1 through 4	EOC
2.	Factor simple polynomials.	Text: Chapter 4, Section 5	EOC
3.	Factor various trinomials.	Text: Chapter 4, Section 5	TWA,EOC
4.	Factor polynomials, including perfect squares, perfect square trinomials and the sum and difference of two cubes.	Text: Chapter 4, Sections 5 and 6	EOC
5.	Factor by grouping.	Text: Chapter 4, Section 5	TWA
6.	Solve problems using polynomial equations and inequalities	Text: Chapter 4, Sections 7 through 9	TWA
7.	Evaluate an expression using exponents.	Text: Chapter 4, Section 2	EOC
8.	Solve and graph quadratic inequalities.	Text: Chapter 4, Section 9	EOC
9.	Graph solutions to a quadratic inequality on a number line.	Text: Chapter 4, Section 9	TWA,EOC
<b>Unit V Rational Expressions</b>		<b>Time Frame: Sem I (2 weeks)</b>	
1.	Convert numbers from scientific notation (including those with negative exponents) to the standard form and vice versa.	Text: Chapter 5, Section 3	
2.	Perform operations on numbers written in scientific notation.	Text: Chapter 5, Section 3	
3.	Perform operations on numerical expressions containing integral and fractional exponents.	Text: Chapter 5, Sections 1 through 3 and 8	EOC
4.	Simplify radical expressions containing variables.	Text: Chapter 5, Section 4	EOC
5.	Reduce fractions with positive and negative exponents in the denominator.	Text: Chapter 5, Section 2	EOC
6.	Perform operations on numbers containing integral and fractional exponents.	Text: Chapter 5, Sections 3, 4, 8 and 9	EOC
7.	Simplify expressions containing negative or fractional exponents.	Text: Chapter 5, Sections 2 and 8	EOC
<b>Unit V Rational Expressions (Continued)</b>		<b>Time Frame: Sem I (still 2 weeks)</b>	
8.	With or without a graphing calculator, graph rational functions and identify the vertical and	Text: Chapter 5, Section 4	TWA,EOC

	horizontal asymptotes.		
9.	Solve fractional equations.	Text: Chapter 5, Section 9	EOC
10.	Use operations to simplify and evaluate rational expressions with monomial and polynomial denominators.	Text: Chapter 5, Sections 4 through 6	EOC
11.	Simplify complex fractions that contain rational expressions in numerator and/or denominator.	Text: Chapter 5, Section 7	TWA,EOC
12.	Solve rational equations.	Text: Chapter 5, Sections 8 and 9	TWA,EOC
<b>Unit VI Irrational and Complex Numbers</b>		<b>Time Frame: Sem I (3 weeks)</b>	
1.	Perform operations on number sentences containing radicals.	Text: Chapter 6, Sections 1 and 2	EOC
2.	Perform operations with expressions containing radicals.	Text: Chapter 6, Sections 3 and 4	EOC
3.	Simplify expressions involving imaginary or complex numbers, including radical expressions involving negative radicands.	Text: Chapter 6, Sections 6 through 8	EOC
4.	Add, subtract, multiply, and divide complex numbers.	Text: Chapter 6, Sections 7 and 8	EOC
5.	Solve radical equations.	Text: Chapter 6, Section 5	EOC
6.	Solve fractional and radical equations.	Text: Chapter 6, Sections 5 and 7	EOC
<b>Unit VII Quadratic Equations and Functions</b>		<b>Time Frame: Sem I (3 weeks)</b>	
1.	Graph quadratic equations.	Text: Chapter 7, Section 5	EOC
2.	Graph a quadratic equation, determine the maximum or minimum point, and find the zeros with or without a graphing utility.	Text: Chapter 7, Sections 5 and 6	EOC
3.	Solve quadratic equations by factoring, completing the square, or using the quadratic formula.	Text: Chapter 7, Sections 1 and 2	EOC
4.	Use the discriminant to determine the roots of a quadratic.	Text: Chapter 7, Section 3	EOC
5.	Solve quadratic equations when solutions are complex.	Text: Chapter 7, Section 4	TWA,EOC
6.	Determine a quadratic equation or its coordinates from a graph.	Text: Chapter 7, Section 5	
7.	Solve word problems using quadratic equations.	Text: Chapter 7, Section 7	
8.	Use quadratic methods to solve non-quadratic equations.	Text: Chapter 7, Section 4	TWA
9.	Use calculators, computers, and graphing utilities in problem solving.	Text: Chapter 7, Sections 5 and 6	
<b>Unit VII Quadratic Equations and Functions</b>		<b>Time Frame: Sem I (still 3 weeks)</b>	
10.	Recognize and explain how the graph of a quadratic equation changes as the coefficients in the equation change.	Text: Chapter 7, Section 5	
11.	Restate an equation in an alternate form or	Text: Chapter 7,	EOC

	standard form.	Section 4	
12.	Determine a quadratic equation or its coordinates from a graph.	Text: Chapter 7, Section 5	
<b>Unit VIII Variations and Polynomial Equations</b>		<b>Time Frame: Sem I (2 weeks)</b>	
1.	Solve direct, inverse, and joint variation problems.	Text: Chapter 8, Sections 1 and 2	TWA,EOC
2.	Perform long division on polynomials to determine remainders, roots, and factors.	Text: Chapter 8, Section 3	TWA
3.	Perform synthetic division on polynomials to determine remainders, roots, and factors.	Text: Chapter 8, Section 4	TWA,EOC
4.	Find remaining factors of a polynomial when given one of the factors.	Text: Chapter 8, Section 5	TWA,EOC
5.	Use Descartes' Rule of Signs to determine the possible combinations of root types.	Text: Chapter 8, Section 6	TWA
6.	Solve polynomial equations of degree two or greater.	Text: Chapter 8, Section 7	EOC
7.	Use a graphing calculator to find polynomial roots.	Text: Chapter 8, Section 8	TWA
8.	Determine the equation of a polynomial, given its roots.	Text: Chapter 8, Section 5	TWA,EOC
9.	Describe the characteristics and properties of classes of functions.	Text: Chapter 8, Section 8	
<b>Unit IX Analytic Geometry</b>		<b>Time Frame: Sem II (2.5 weeks)</b>	
1.	Use the distance formula to find the distance between two points.	Text: Chapter 9, Section 1	
2.	Find the midpoint of a segment, given its endpoints.	Text: Chapter 9, Section 1	TWA,EOC
3.	Write the equation of a circle, parabola, ellipse, or hyperbola in standard form.	Text: Chapter 9, Sections 2 through 6	TWA,EOC
4.	Identify and describe the graphs and equations of circles, parabolas, ellipses, and hyperbolas.	Text: Chapter 9, Sections 2 through 6	
5.	Determine the equation of a parabola, circle, ellipse, or hyperbola, given the graph.	Text: Chapter 9, Sections 2 through 6	
6.	Convert equations to standard form, if necessary, and then determine the characteristics of a circle (e.g. center and radius).	Text: Chapter 9, Sections 2 and 6	TWA,EOC
7.	Convert equations to standard form, if necessary, and then determine the characteristics of a parabola (e.g. focus, directrix, vertex, axis of symmetry, and direction of opening).	Text: Chapter 9, Sections 3 and 6	EOC
8.	Convert equations to standard form, if necessary, and then determine the characteristics of an ellipse (e.g. center, foci, length of major and minor axes, and vertices).	Text: Chapter 9, Sections 4 and 6	TWA
<b>Unit IX Analytic Geometry (Continued)</b>		<b>Time Frame: Sem II (2.5 weeks)</b>	
9.	Convert equations to standard form, if necessary, and then determine the characteristics of a hyperbola (e.g. center, foci, and equation of asymptotes).	Text: Chapter 9, Sections 5 and 6	TWA
10.	Restate an equation in an alternate form or	Text: Chapter 9,	EOC

	standard form.	Sections 2 through 6	
<b>11.</b>	Use graphs to determine the estimates for and the number of real solutions of quadratic systems.	Text: Chapter 9, Sections 7 and 8	
<b>Unit X Exponential and Logarithmic Functions</b>		<b>Time Frame: Sem II (3 weeks)</b>	
<b>1.</b>	Create tables, graphs, and ordered pairs from a function.	Text: Chapter 10, Section 3	
<b>2.</b>	Perform operations on functions (e.g. sum, product, and composition of functions) and justify the steps used.	Text: Chapter 10, Section 3	EOC
<b>3.</b>	Identify a function and its inverse from ordered pairs, equations, and graphs.	Text: Chapter 10, Section 3	EOC
<b>4.</b>	Perform compositions of two or more functions, and then evaluate them for either numerical or variable values.	Text: Chapter 10, Section 3	TWA,EOC
<b>5.</b>	Define and use natural logarithms.	Text: Chapter 10, Section 8	TWA
<b>6.</b>	Use exponential functions to solve exponential growth and decay problems.	Text: Chapter 10, Section 7	EOC
<b>7.</b>	Convert fractional exponents into radical notation.	Text: Chapter 10, Section 1	TWA
<b>8.</b>	Simplify and solve equations involving irrational exponents.	Text: Chapter 10, Section 2	TWA
<b>9.</b>	Convert a logarithmic equation to an exponential equation and vice versa.	Text: Chapter 10, Section 4	EOC
<b>10.</b>	Use the properties of logarithms to simplify logarithmic expressions.	Text: Chapter 10, Section 5	EOC
<b>11.</b>	Use logarithms and antilogarithms to convert an expression to an equivalent expression.	Text: Chapter 10, Section 6	EOC
<b>12.</b>	Solve logarithmic and exponential equations.	Text: Chapter 10, Sections 5 and 6	EOC
<b>13.</b>	Solve equations involving variables inside logarithms or as exponents.	Text: Chapter 10, Section 6	TWA,EOC
<b>Unit XI Triangle Trigonometry</b>		<b>Time Frame: Sem II (3.5 weeks)</b>	
<b>1.</b>	Use the Pythagorean Theorem to solve problems involving triangles.	Text: Chapter 9, Section 1 and Chapter 12, Section 2	EOC
<b>2.</b>	Use right triangle trigonometry.	Text: Chapter 12, Sections 2 and 5	EOC
<b>3.</b>	Use the definitions of trigonometric functions to find the sine, cosine, tangent, cotangent, secant, and cosecant of an angle.	Text: Chapter 12, Sections 2 through 4	EOC
<b>4.</b>	Find coterminal angle measurements for a specified angle.	Chapter 12, Section 1	TWA
<b>Unit XI Triangle Trigonometry (Continued)</b>		<b>Time Frame: Sem II (3.5 weeks)</b>	
<b>5.</b>	Solve word problems involving the missing sides and angles of right triangles using trigonometric ratios.	Text: Chapter 12, Section 5	
<b>6.</b>	Solve non-right triangles using the Law of Sines or the Law of Cosines.	Text: Chapter 12, Sections 6 through 8	TWA,EOC
<b>7.</b>	Find values of expressions involving inverse	Text: Chapter 14,	TWA, EOC

	trigonometric functions.	Section 6	
<b>Unit XII Trigonometric Graphs; Identities</b>		<b>Time Frame: Sem II (1 week)</b>	
1.	Perform conversions between radians and degrees.	Text: Chapter 13, Section 1	TWA,EOC
2.	Graph the six basic trigonometric functions and identify the period, amplitude, and asymptotes when applicable.	Text: Chapter 13, Sections 3 through 5	TWA
3.	Recognize changes in a function resulting in horizontal or vertical shifts or reflections about an axis.	Text: Chapter 13, Sections 3 through 5	TWA
4.	Use the unit circle to find exact trigonometric values of general angles.	Text: Chapter 13, Section 2	TWA,EOC
5.	Apply special triangle relationships to solve problems involving triangles.	Text: Chapter 13, Section 2	EOC
<b>Unit XIII Statistics and Probability</b>		<b>Time Frame: Sem II (1 week)</b>	
1.	Calculate the mean, median, mode and range of a set of data.	Text: Chapter 15, Section 1	EOC
2.	Find the standard deviation.	Text: Chapter 15, Section 2	TWA
3.	Solve problems involving normally distributed data.	Text: Chapter 15, Section 3	TWA
4.	Construct or interpret graphs, charts, and other forms of organized data.	Text: Chapter 15, Sections 1 through 3	
5.	Create scatter plots.	Text: Chapter 15, Section 4	TWA
6.	Choose or construct the appropriate graph (line graph, box and whisker plot, histogram, bar graph) to display data.	Text: Chapter 15, Sections 1 through 4	
7.	Perform statistical analysis on data, given a stem-and-leaf plot or box-and-whisker plot.	Text: Chapter 15, Sections 1 and 2	TWA,EOC
8.	With or without a calculator, choose the equation that best represents the line of regression when applied to a statistical model represented by a scatter plot.	Text: Chapter 15, Section 4	
9.	Use calculators, computers, and graphing utilities in problem solving.	Text: Chapter 15, Section 4	
10.	Draw a graph to represent a problem situation or write a possible problem situation that a graph could represent.	Text: Chapter 15, Section 1 through 4	

<b>Unit XIV Matrices and Determinants</b>		<b>Time Frame: Sem II (3-3.5 weeks)</b>	
1.	Solve systems of three linear equations with or without matrices.	Text: Chapter 16, page 785	
2.	Solve matrix equations for variable elements by setting corresponding elements equal to each other.	Text: Chapter 16, Section 1	TWA,EOC
3.	Use addition and subtraction of matrices to do transformations of geometric figures.	Text: Chapter 16, Section 2	

<b>4.</b>	Perform operations (e.g. addition, subtraction, scalar multiplication, multiplication, determinants, and inverses) on a set of matrices, with or without a graphing calculator.	Text: Chapter 16, Sections 2 through 9	EOC
<b>5.</b>	Use matrices to represent figures in algebraic equations or graphs on the coordinate plane.	Text: Chapter 16, Section 4	
<b>6.</b>	Identify and calculate inverse matrices.	Text: Chapter 16, Sections 5 and 6	EOC
<b>7.</b>	Use the properties of zero when solving matrices.	Text: Chapter 16, Section 6	EOC
<b>8.</b>	Use matrices to solve word problems.	Text: Chapter 16, Section 4	

## **Accelerated Algebra 2 Materials Needed for Common Final (EOC)**

**Semester 1-** Part 1 – Calculator  
Part 2 – none (No Calculator)

**Semester 2-** Part 1 – Calculator  
Part 2 – none (No Calculator)

2010-2011		Syllabus: Semester ONE	
Date	Event Sequence	Lecture/Discussion Topics	Assignments
Aug-23			
Aug-24			
Aug-25		1/2 day for students	
Aug-26	<b>CHAPTER 1</b>	1-1 to 1-6	
Aug-27		1-7	
Aug-30		1-8	
Aug-31		1-9	
Sep-1		Review	
Sep-2		TEST-CHAPTER 1	
Sep-3	<b>CHAPTER 2</b>	2-1 and 2-2/cont. ch. 1 rev	
Sep-6	<i>Labor Day Holiday</i>	<i>no school</i>	
Sep-7		2-3	
Sep-8		2-4 (2-5 optional)	
Sep-9		Review	
Sep-10		Test-Chapter 2	
Sep-13	<b>CHAPTER 3</b>	3-1 and 3-2/Ch. 2 Rev. cont.	
Sep-14		3-3 and 3-4	
Sep-15		more 3-4	
Sep-16		3-5	
Sep-17		3-6	
Sep-20		3-7	
Sep-21		3-8 and then Quiz 3-1 to 3-6	
Sep-22		3-9	
Sep-23		Review	
Sep-24		Review	
Sep-27		Test-Chapter 3	
Sep-28		4-1 and 4-2	
Sep-29		4-3	
Sep-30		4-4	
Oct-1		4-5	
Oct-4		Flex Day	
Oct-5		4-5	
Oct-6		4-6	
Oct-7	<i>State Workshop Days</i>	<b>No School</b>	
Oct-8	<i>State Workshop Days</i>	<b>No School</b>	
Oct-11		4-7	
Oct-12		4-8 and Quiz on factoring	
Oct-13		4-9	
Oct-14		4-9	
Oct-15		Review/catch up	
Oct-18		Review/catch up	
Oct-19		TEST-CHAPTER 4	
Oct-20	<b>CHAPTER 5</b>	5-1 and 5-2	
Oct-21		5-2 and 5-3	
Oct-22		5-4	
Oct-25		5-4 graphing on p. 230-31	
Oct-26		5-5	
Oct-27		5-6	
Oct-28		5-6 and Quiz 5-1 to 5-5	
Oct-29	End of Quarter	5-7	
Nov-1		5-8	
Nov-2		5-8 and short quiz	
Nov-3		5-9	
Nov-4		5-9	
Nov-5		Review	
Nov-8		Review	
Nov-9		TEST CHAPTER 5	

Nov-10	<b>CHAPTER 6</b>	6-1	
Nov-11		6-2	
Nov-12	<i>Building In-service</i>	<i>No School</i>	
Nov-15		6-3	
Nov-16		6-3	
Nov-17		6-4	
Nov-18		Review 6.1-4	
Nov-19		6-5 and Quiz 6.1-4	
Nov-22	<i>Thanksgiving Holiday</i>	<i>No School</i>	
Nov-23	<i>Thanksgiving Holiday</i>	<i>No School</i>	
Nov-24	<i>Thanksgiving Holiday</i>	<i>No School</i>	
Nov-25	<i>Thanksgiving Holiday</i>	<i>No School</i>	
Nov-26	<i>Thanksgiving Holiday</i>	<i>No School</i>	
Nov-29		6-6	
Nov-30		6-7	
Dec-1		6-8	
Dec-2		Review	
Dec-3		TEST CHAPTER 6	
Dec-6	<b>CHAPTER 7</b>	7-1	
Dec-7		7-2	
Dec-8		7-3 (optional)	
Dec-9		7-4	
Dec-10		7-7	
Dec-13		Rev.Test on 7.1 - 7.4 and 7-7	
Dec-14		Rev.Test on 7.1 - 7.4 and 7-7	
Dec-15		Test on 7.1 - 7.4 and 7-7	
Dec-16		7-5	
Dec-17	<i>Early release</i>	<i>Flex Day</i>	
Dec-20	<i>Christmas Holiday</i>	<i>No School</i>	
Dec-21	<i>Christmas Holiday</i>	<i>No School</i>	
Dec-22	<i>Christmas Holiday</i>	<i>No School</i>	
Dec-23	<i>Christmas Holiday</i>	<i>No School</i>	
Dec-24	<i>Christmas Holiday</i>	<i>No School</i>	
Dec-27	<i>Christmas Holiday</i>	<i>No School</i>	
Dec-28	<i>Christmas Holiday</i>	<i>No School</i>	
Dec-29	<i>Christmas Holiday</i>	<i>No School</i>	
Dec-30	<i>Christmas Holiday</i>	<i>No School</i>	
Dec-31	<i>Christmas Holiday</i>	<i>No School</i>	
Jan-3		7.5	
Jan-4		7.5 and 7.6	
Jan-5		7.6	
Jan-6		Review 7-5 and 7-6	
Jan-7		Short Test 7-5 and 7-6	
Jan-10		Flex Day	
Jan-11		EOC Review	
Jan-12		EOC Review	
Jan-13		EOC Review	
Jan-14		EOC Review	
Jan-17	<i>Martin Luther King Jr. Holiday</i>	<i>No School</i>	
Jan-18		EOC Review	
Jan-19	<b>Semester Test</b>		
Jan-20	<b>Semester Test</b>		
Jan-21	<b>Semester Test</b>		

2010-2011	Syllabus: Semester TWO		
Date	Event Sequence	Lecture/Discussion Topics	Assignments
Jan-24	<i>District In-service</i>	<i>No School</i>	
Jan-25	<b>CHAPTER 8</b>	8-1	
Jan-26		8-2	
Jan-27		8-3	
Jan-28		8-4	
Jan-31		8-5 and Quiz 8:1-4	
Feb-1		8-6	
Feb-2		8-7	
Feb-3		8-8 Use graphing calculator	
Feb-4		Review/catch up	
Feb-7		Review/catch up	
Feb-8		TEST-CHAPTER 8	
Feb-9	<b>CHAPTER 9</b>	9-1 include word problems	
Feb-10		9-2	
Feb-11		9-3	
Feb-14		9-3	
Feb-15		9-4	
Feb-16		Quiz 9-1 to 9-3	
Feb-17		9-5	
Feb-18		9-6	
Feb-21	<i>President's Day Holiday</i>	<i>No School</i>	
Feb-22		Rev/ catch up day of needed topics	
Feb-23		9-7	
Feb-24		9-8	
Feb-25		Review	
Feb-28		Review	
Mar-1		TEST-CHAPTER 9	
Mar-2	<b>CHAPTER 10</b>	10-1	
Mar-3		10-2	
Mar-4		Supplement 10-1/2	
Mar-7		10-3	
Mar-8		Quiz 10.1-3	
Mar-9		10-4	
Mar-10		10-5	
Mar-11		10-6	
Mar-14		10-7	
Mar-15		10-8	
Mar-16		Review	
Mar-17		Review	
Mar-18		TEST CHAPTER 10	
Mar-21	<b>CHAPTER 12</b>	12-1	
Mar-22		12-2	
Mar-23		12-3	
Mar-24		Rev 12-1 -12-3	
Mar-25	End of 3rd Qt.	Flex Day - Interwrite Board Activities (Contact Nancy Stephan at Capital High School)	
Mar-28	<i>Spring Break</i>	<i>No School</i>	
Mar-29	<i>Spring Break</i>	<i>No School</i>	
Mar-30	<i>Spring Break</i>	<i>No School</i>	
Mar-31	<i>Spring Break</i>	<i>No School</i>	
Apr-1	<i>Spring Break</i>	<i>No School</i>	
Apr-4		12-4 and 12-5	
Apr-5		12-5 and Quiz 12.1-4	
Apr-6		12-6	
Apr-7		12-7	
Apr-8		12-8	
Apr-11		12-9	
Apr-12		12-10	
Apr-13		Review	



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<b>Acc EOC Number</b>	<b>Acc Chapter and Section Taught</b>	<b>Acc Page Number</b>	<b>Acc Similar Problem</b>	<b>Accelerated Notes/EOC Tips</b>	<b>Acc Semester Taught</b>	
1	5-4	p. 231	# 5, 8			Calc
2	7-4	p. 324	# 5a, 6a			Calc
3	5-1	p. 213	Written ex: # 6, 7, 17			Calc
4	4-9	p. 204	# 1, 2	Graph solution set.		Calc
5	5-5	p. 234	# 11, 13, 15			Calc
6	1-2	p. 11	# 30			Calc
7	3-8	p. 145	# 37			Calc
8	2-1	p. 63	# 17, 18			Calc
9	2-4	p. 75	# 19			Calc
10	3-4	p. 121	# 23	Write answer in slope intercept form		Calc
11	3-4	p. 121	# 35, 36			Calc
12	3-4	p. 121	# 35, 36			Calc
13	5-4	p. 229	#21 - 28	Find the zeros of the function		Calc
14	3-5	p. 129	# 18	Solve using a method of your choice		Calc
15	5-2	p.219	# 25, 26	Graph of feasible region is supplied; maximize only		Calc
16	4-1	p. 170	# 16	Subtraction only		Calc
17	4-3	p. 176	# 27, 28			Calc
18	4-5	p. 186	# 17, 18			Calc
19	7-2	pg. 314	#17,18			Calc
20	6-2	p. 268	# 41			Calc
21	4-2	p. 173	# 16			Calc
22	6-5	p. 280	# 26			Calc
23	6-8	p. 295	# 18, 19			Calc
24	6-7	p. 291	# 37, 39			Calc
25	6-4	p. 275	# 7			Calc
26	7-7	p. 342	# 8, 17	Write answer in standard form.		No Calc
27	7-5	p. 331	# 7, 8	Quadratic coefficient is 1.		No Calc
28	7-5	p. 330-331	oral exercises # 1-6			No Calc
29	7-6	p. 336	# 25	Name the vertex only.		No Calc
30	5-4	p. 229	# 31, 33-35	Find the x and y intercepts		No Calc
31	1-7	p. 41	# 10			No Calc
32	3-2	p. 111	# 8			No Calc
33	3-2	p. 111	# 12			No Calc
34	2-4	p. 75	#23	EOC has an equation, not an inequality; Review that $ x  =$ -negative number has no soln		No Calc
35	5-7	p.240	# 17,18			No Calc
36	3-7	p. 139	# 19	Except both inequalities are horizontal/vertical		No Calc
37	3-5	p. 129	# 11, 15			No Calc
38	3-7	p. 140	# 10			No Calc
39	4-7	p. 196	# 8			No Calc
40	4-7	p. 196	# 13			No Calc
41	6-2	p. 268	# 40			No Calc
42	6-8	p. 295	# 16			No Calc
43	6-8	p. 297	# 12 on Self Test			No Calc
44	6-5	p. 280	#1, 4			No Calc
45	7-2	p. 316	Self-test # 1	Solve using a method of your choice		No Calc
46	4-9	p. 204	# 5	Write solution in set notation; don't graph.		No Calc
47	5-5	p. 234	# 15	Foil final answer out.		No Calc
48	5-6	p. 237	# 26	Foil denominator out.		No Calc
49	5-9	p. 249	# 11,12	Solve and check only.		No Calc
50	2-2	p.68	# 23 - 28	EOC directions say, "Solve the Compound Inequality."		No Calc

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1	8-1	p. 354	# 1		II	Calc
2	8-4	p. 370	# 1 - 12		II	Calc
3	8-5	p. 373	Example 1	Also p. 375 #'s 1 - 8.	II	Calc
4	8-5	p. 376	# 21		II	Calc
5	8-6	p. 380	# 16	What are the possible numbers of positive roots?	II	Calc
6	8-8	p. 388	# 2	Round to the tenths.	II	Calc
7	9-1	p. 404	Written Exercises #5	Find the midpoint only.	II	Calc
8	9-1	p. 404	Written Exercises #5	Find the distance only.	II	Calc
9	9-3	p. 416	# 19	Find the direction of opening /and follow directions	II	Calc
10	9-6	p. 435	# 13-18	Identify the conic	II	Calc
11	9-6	p. 434	# 1 - 6	Center is given. Length of major axis is given.	II	Calc
12	10-3	p. 497	# 4a		II	Calc
13	13-5	p. 632	Oral 3, 4, 6, 8	Indicate the period	II	Calc
14	12-5	p. 578	#4, #5, #7		II	Calc
15	10-6	p. 482	# 16		II	Calc
16	10-6	p. 482	# 35		II	Calc
17	12-5	p. 577	# 1, 3		II	Calc
18	10-4	p. 470	#1, #3, #6		II	Calc
19	12-6	p. 582	# 9 - 12	Know when to use law of sines or cosines from given information	II	Calc
20	12-7	p. 588	# 1	Know when to use law of sines or cosines from given information	II	Calc
21	10-3	p. 466	#11 - 13		II	Calc
22	14-7	p. 695	Oral Exercises # 1-8		II	Calc
23	15-1	p. 710	# 3		II	Calc
24	15-3	p. 723	# 5	Find the NUMBER of items in the sample that fits the criteria.	II	Calc
25	16-1	p. 769	# 14	One of the matrices has a scalar.	II	Calc
26	8-2	p. 360	# 1		II	No Calc
27	8-4	p. 375	# 18	Wording: Given one ROOT, find the other two.	II	No Calc
28	8-6	p. 377	Theorem and explanation above.	Find the total number of roots only.	II	No Calc
29	8-7	p. 384	# 1	Wording: Find all rational ZEROS.	II	No Calc
30	9-3	p. 416	#21 - 23	Find the directrix	II	No Calc
31	9-2	p. 410	#18, #22	Find the center	II	No Calc
32	10-1	p. 458	# 2		II	No Calc
33	10-1	p. 458	# 44		II	No Calc
34	10-2	p. 462	# 25		II	No Calc
35	10-5	p. 477	# 47		II	No Calc
36	10-5	p. 475	# 7		II	No Calc
37	13-2	p. 617	#11 and 14	Find the values of quadrantal angles	II	No Calc
38	12-3	p. 566	# 1 - 4		II	No Calc
39	12-3	p. 566	# 37, 39, 41	Unit circle helpful here	II	No Calc
40	12-3	p. 566	#45, 51, 52	Draw a triangle or use Pythagorean Identity	II	No Calc
41	13-1	p. 610	#6, 7, 11		II	No Calc
42	13-2	p. 617	# 17		II	No Calc
43	13-4	p. 628	# 1 - 12. Find the period only.		II	No Calc
44	14-6	p. 692	Oral Exercises # 1-8		II	No Calc
45	15-2	p. 716	# 5	Include definition of interquartile range, Q3 - Q1.	II	No Calc
46	16-2	p. 773	# 13	Matrix coefficients are fractions.	II	No Calc
47	16-3	p. 777	# 8		II	No Calc
48	16-5	p. 789	# 8 - 14	Also p. 800 # 1 - 9. Use either diagonals or expansion by minors.	II	No Calc
49	16-6	p. 792	Written ex. # 1 - 8		II	No Calc

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50	16-3	p. 777	Oral exercises # 6		II

No Calc