


**Legend**

•	The standard is clearly addressed by program activities.	
-	This standard potentially could be addressed as part of a <i>FIRST</i> ® program either by actions that the coach or teacher takes when working with the students or by conditions established by the program.	

Topic	Number	Standard	Class Pack	Team	
<b>AI.1 Identify the principles of SDA Christian values in correlation with mathematics.</b>					
Algebra I	AI.1.1	Recognize God as Creator and Sustainer of an ordered universe.			
	AI.1.2	Value God’s inspired writings and created works as a revelation of His precision, accuracy, and exactness.			
	AI.1.3	Develop accountability as expressed in God’s word and laws.			
	AI.1.4	Employ Christian principles as a basis for learning and growth.			
	AI.1.5	Broaden intellectual abilities through the study of mathematics.			
	AI.1.6	Make biblically-based choices when dealing with mathematical data.			
	AI.1.7	Apply biblical principles of Christian morality, integrity, and ethical behavior to mathematical processes.	•	•	
	<b>AI.2 Develop abilities in mathematics.</b>				
	AI.2.1	Understand mathematical concepts (number sense, algebraic and geometric thinking, measurement, data analysis, and probability). MP.7	•	•	
	AI.2.2	Utilize the problem-solving process (explore, plan, solve, verify). MP.1, MP.2	•	•	
	AI.2.3	Develop higher-order thinking skills (analyze, evaluate, reason, classify, predict, generalize, solve, decide, relate, interpret, simplify, model, synthesize).MP.2, MP.3, MP.4	•	•	
	AI.2.4	Attend to precision. MP.6	•	•	
	<b>AI.3 Be able to apply mathematical knowledge and skills to a variety of purposes.</b>				
	AI.3.1	Use a variety of strategies in the problem-solving process (i.e. patterns, tables, diagrams). MP.7, MP.8	•	•	
	AI.3.2	Conduct research (locate, observe/gather, analyze, conclude).		•	
	AI.3.3	Perform calculations with and without technology in life situations. MP.5	-	-	
	AI.3.4	Read critically and communicate proficiently with mathematical vocabulary.	-	-	
<b>AI.4 Be able to understand concepts involving real numbers.</b>					
AI.4.1	Simplify expressions using the order of operations, including properties of exponents, square roots, and absolute value.	-	-		
AI.4.2	Identify numbers (i.e. real, rational, irrational).	-	-		
AI.4.3	Identify relationships and operations among numbers (i.e. properties, equations, inequalities, ratios, proportions, dimensional analysis, real vs. imaginary). N-RN.3, A-REI.1	-	-		
<b>AI.5 Be able to represent mathematical situations using algebraic symbols and models.</b>					
AI.5.1	Use and evaluate expressions involving variables. A-SSE.1	•	•		
AI.5.2	Write equations, systems of equations, and inequalities from written and oral expression, recognizing equivalent forms. A-SSE.2, A-CED.1,2, F-LE.2,3, G-GPE.5				
AI.5.3	Identify, graph, solve, and interpret linear/quadratic equations/inequalities and the concept of variation. A-SSE.3, A-CED.2, A-REI.10,12, F-IF.8, F-LE.2,3	•			
AI.5.4	Recognize, evaluate, and interpret functions, including domain and range. F-IF.1,2,4,5,6				
AI.5.5	Apply basic concepts of statistics and probability (i.e. measures of central tendency, plots,				

Algebra II		combinations, permutations)S-ID.1,2,5, S-CP.1,9, S-MD.1,2,3,4,5		
	<b>AI.6 Be able to apply appropriate techniques, tools, and formulas to interpret and solve problems.</b>			
	AI.6.1	Calculate measurable attributes of figures (degrees of angles, lengths, perimeter, area, volume). N-Q.1,2,3	●	●
	AI.6.2	Demonstrate mathematical proficiency using technology when appropriate.	●	●
	AI.6.3	Use and manipulate given formulas to solve a variety of problems (i.e. slope, distance, area, volume, perimeter, midpoint)N-Q.1,2,3, A-CED.4, G-SRT.8	●	-
	AI.6.4	Perform operations involving polynomials and rational expressions. A-APR.1,7	●	-
	AI.6.5	Solve consumer-related problems (i.e. profit/loss, sales tax, mark-up/discount, interest) N-Q.1,2,3		
	AI.6.6	Solve simple equations and inequalities in one variable (linear, quadratic, rational, radical, exponential, absolute value).A-REI.2,3,4, F-IF.8	●	-
	AI.6.7	Solve systems of equations and inequalities using graphs and algebraic methods. A-CED.1, A-REI.1,5,6	●	-
	<b>AI.7 Be able to analyze results and draw appropriate conclusions.</b>			
	AI.7.1	Find and interpret information from graphs, charts, and numerical data. S-ID.6,7	●	●
	AI.7.2	Predict patterns and generalize trends (i.e. arithmetic/geometric sequences, scatter plots, linear regressions). F-LE.1	●	-
	AI.7.3	Judge meaning, utility, and reasonableness of findings in a variety of situations, including those carried out by technology.S-IC.2, S-MD.6,7	●	-
	<b>AII.1 Identify the principles of SDA Christian values in correlation with mathematics.</b>			
	AII.1.1	Recognize God as Creator and Sustainer of an ordered universe.		
	AII.1.2	Value God's inspired writings and created works as a revelation of His precision, accuracy, and exactness.		
	AII.1.3	Develop accountability as expressed in God's word and laws.		
	AII.1.4	Employ Christian principles as a basis for learning and growth.		
	AII.1.5	Broaden intellectual abilities through the study of mathematics.		
	AII.1.6	Make biblically-based choices when dealing with mathematical data.		
	AII.1.7	Apply biblical principles of Christian morality, integrity, and ethical behavior to mathematical processes.		
	<b>AII.2 Develop abilities in mathematics.</b>			
	AII.2.1	Understand mathematical concepts (number sense, algebraic and geometric thinking, measurement, data analysis, and probability). MP.7	●	●
	AII.2.2	Utilize the problem-solving process (explore, plan, solve, verify). MP.1, MP.2	●	●
	AII.2.3	Develop higher-order thinking skills (analyze, evaluate, reason, classify, predict, generalize, solve, decide, relate, interpret, simplify, model, synthesize). MP.2, MP.3, MP.4	●	●
	AII.2.4	Attend to precision. MP.6	●	●
	<b>AII.3 Be able to apply mathematical knowledge and skills to a variety of purposes.</b>			
	AII.3.1	Use a variety of strategies in the problem-solving process (i.e. patterns, tables, diagrams). MP.7, MP.8	●	●
	AII.3.2	Conduct research (locate, observe/gather, analyze, conclude).		
	AII.3.3	Perform calculations with and without technology in life situations. MP.5	●	●
	AII.3.4	Read critically and communicate proficiently with mathematical vocabulary.	●	●
	<b>AII.4 Be able to understand concepts involving real and complex numbers.</b>			
	AII.4.1	Identify numbers and relationships among numbers (i.e. properties, equations, inequalities). N-CN.3	●	-
	AII.4.2	Simplify expressions using the order of operations, including radicals and absolute value. N-RN.1,2, N-CN.1,2		
	AII.4.3	Know and use the Fundamental Theorem of Algebra. N-CN.9		
	AII.4.4	Determine trigonometric values using the unit circle and right triangles. F-TF.1,2, G-SRT.6,7,8	●	-
	<b>AII.5 Be able to represent mathematical situations using algebraic symbols and models.</b>			
	AII.5.1	Use and evaluate expressions involving variables. A-SSE.1, F-BF.1		
	AII.5.2	Write higher-order equations and inequalities from written and oral expression and recognize equivalent forms. A-SSE.2, N-CN.8, F-LE.2,3	-	-

	All.5.3	Identify, graph, and interpret various functions (i.e. quadratic, inverse, trigonometric, logarithmic, exponential). F-IF.5,7,8, F-BF.3, F-LE.1, G-GPE.1,2,3	•	-
	All.5.4	Present data using statistics and probability (linear regressions, counting techniques) S-ID.2,4, S-CP.7,9		
	All.5.5	Understand, interpret, and evaluate sequences and series. A-SSE.4, F-IF.3, F-BF.2		
	<b>All.6 Be able to apply appropriate techniques, tools, and formulas to interpret and solve problems.</b>			
	All.6.1	Solve systems of equations and inequalities using graphs and algebraic methods. A-REI.7,11	•	-
	All.6.2	Solve consumer-related problems involving linear programming. A-CED.3		
	All.6.3	Solve quadratic, exponential, radical, rational, and logarithmic equations. N-CN.7, A-REI.2,4, F-IF.8 F-BF.5, F-LE.4	•	-
	All.6.4	Graph and perform operations involving polynomials and rational expressions. A-APR.2,3,6,7, F-BF.1,4	•	-
	All.6.5	Demonstrate mathematical proficiency using a graphing utility. MP.3	•	-
	<b>All.7 Be able to analyze results and draw appropriate conclusions.</b>			
	All.7.1	Find and interpret information from graphs, charts, and numerical data. S-ID.6, F-IF.4,9, F-BF.4, F-LE.2,5		
	All.7.2	Predict patterns and generalize trends (i.e. scatter plots, linear, quadratic, exponential models and regressions), including data distribution. S-ID.6, F-LE.1	•	-
	All.7.3	Judge meaning, utility, and reasonableness of findings in a variety of situations, including those carried out by technology. S-IC.2, S-MD.6,7	•	-
Calculus	<b>CA.1 Identify SDA Christian principles and values in correlation with mathematics.</b>			
	CA.1.1	Recognize God as Creator and Sustainer of an ordered universe.		
	CA.1.2	Value God's inspired writings and created works as a revelation of His precision, accuracy, and exactness.		-
	CA.1.3	Develop accountability as expressed in God's word and laws.		
	CA.1.4	Employ Christian principles as a basis for learning and growth.		
	CA.1.5	Broaden intellectual abilities through the study of mathematics.		
	CA.1.6	Make biblically-based choices when dealing with mathematical data.		
	CA.1.7	Apply biblical principles of Christian morality, integrity, and ethical behavior to mathematical processes.		
	<b>CA.2 Develop abilities in mathematics.</b>			
	CA.2.1	Understand mathematical concepts (number sense, algebraic and geometric thinking, measurement, data analysis, and probability).	•	•
	CA.2.2	Utilize the problem-solving process (explore, plan, solve, verify).	•	•
	CA.2.3	Develop higher-order thinking skills (analyze, evaluate, reason, classify, predict, generalize, solve, relate, interpret, simplify, model, synthesize).	•	•
	<b>CA.3 Be able to apply mathematical knowledge and skills to a variety of purposes.</b>			
	CA.3.1	Use a variety of strategies in the problem-solving process (i.e. patterns, tables, diagrams).	•	•
	CA.3.2	Conduct research (locate, observe/gather, analyze, conclude).		
	CA.3.3	Perform calculations with and without technology in life situations.	•	•
	CA.3.4	Read critically and communicate proficiently with mathematical vocabulary.	•	•
	<b>CA.4 Be able to understand concepts of differentiation and integration.</b>			
	CA.4.1	Understand limits of functions (i.e. definition, graphs, calculating, properties, behaviors, finite, infinite, one-sided).	•	-
	CA.4.2	Identify continuity of functions (i.e. intuitively, definition in terms of limits, and graphically).		
	CA.4.3	Demonstrate knowledge of the derivative (i.e. concept, definition, at a point, as a function, applications, linearization and second derivatives).	•	-
	CA.4.4	Demonstrate knowledge of the integral (i.e. concept, definition of anti-derivatives, techniques, fundamental theorems of calculus, and numerical approximations).	•	-
	<b>CA.5 Be able to represent mathematical relationships and situations using calculus.</b>			
CA.5.1	Interpret applications of the derivative in various situations (i.e. optimization, velocity, speed, acceleration, increasing/decreasing, concave up/down and points of inflection).	•	-	
CA.5.2	Solve a variety of situations (physical, biological, or economic) and represent their limits as definite integrals.			

Consumer Math

CA.5.3	Identify, graph, and interpret various derivatives and integrals in applied contexts.	•	-
CA.5.4	Present solutions resulting from applications of derivatives and integrals in conjunction with substitution techniques in finding anti-derivatives.	•	-
<b>CA.6 Be able to apply appropriate techniques, tools, and formulas to interpret and solve problems,</b>			
CA.6.1	Compute the derivatives of functions using the sum, product, quotient, and chain rules.		
CA.6.2	Use the integral in specific applications to give accumulated change, find the area of a region, the volume of a solid with known cross sections, the average value of a function, and the distance traveled by a particle along a line.	•	-
CA.6.3	Demonstrate mathematical mastery of a graphing utility.	•	-
<b>CA.7 Be able to analyze results and draw appropriate conclusions.</b>			
CA.7.1	Find and interpret information from graphs, charts, and numerical data.	•	•
CA.7.2	Predict patterns and generalize trends.	•	-
CA.7.3	Judge meaning, utility, and reasonableness of findings in a variety of situations, including those carried out by technology.	•	
<b>CM.1 Identify SDA Christian principles and values in correlation with mathematics.</b>			
CM.1.1	Recognize God as Creator and Sustainer of an ordered universe.		
CM.1.2	Value God's inspired writings and created works as a revelation of His precision, accuracy, and exactness.		
CM.1.3	Develop accountability as expressed in God's word and laws.		
CM.1.4	Employ Christian principles as a basis for learning and growth.		
CM.1.5	Broaden intellectual abilities through the study of mathematics.		
CM.1.6	Make biblically-based choices when dealing with mathematical data.		
CM.1.7	Apply biblical principles of Christian morality, integrity, and ethical behavior to mathematical processes.		
<b>CM.2 Develop abilities in mathematics.</b>			
CM.2.1	Understand mathematical concepts (number sense, algebraic and geometric thinking, measurement, data analysis, and probability).	•	•
CM.2.2	Utilize the problem-solving process (explore, plan, solve, verify).	•	•
CM.2.3	Develop higher-order thinking skills (analyze, evaluate, reason, classify, predict, generalize, solve, decide, relate, interpret, simplify, model, synthesize).	•	•
<b>CM.3 Be able to apply mathematical knowledge and skills to a variety of purposes.</b>			
CM.3.1	Use a variety of strategies in the problem-solving process (i.e. patterns, tables, diagrams).	•	•
CM.3.2	Conduct research (locate, observe/gather, analyze, conclude).	•	•
CM.3.3	Perform calculations with and without technology in life situations.	•	•
CM.3.4	Read critically and communicate proficiently with mathematical vocabulary.	•	•
<b>CM.4 Be able to understand concepts of personal finance and business mathematics.</b>			
CM.4.1	Identify various aspects of stewardship (i.e. costs/benefits, needs/wants, tithes and offerings).		
CM.4.2	Demonstrate knowledge of the time-value of money and basic financial management.		-
CM.5	Be able to represent mathematical situations in personal and business life using graphs, tables, and charts.	•	•
<b>CM.6 Be able to apply appropriate techniques, tools, and formulas to interpret and solve problems.</b>			
CM.6.1	Demonstrate proficiency in basic math skills used by consumers (i.e. decimals, fractions, percentages, proportions).	•	•
CM.6.2	Exhibit money management skills (i.e. budgets, checking and savings accounts, risk management, debt management, investments, mortgages, income taxes, and deductions).		•
CM.6.3	Solve consumer-related problems involving time value of money (i.e. simple and compound interest, inflation, present and future values of sums).		-
CM.6.4	Use both mental estimation and technology to make optimal consumer choices.		•
<b>CM.7 Be able to analyze results and draw appropriate conclusions.</b>			
CM.7.1	Find and interpret information from graphs, charts, and financial statements.	•	•
CM.7.2	Predict patterns and generalize trends.	•	-
CM.7.3	Judge meaning, utility, and reasonableness of findings in a variety of situations, including those	•	-

		carried out by technology.		
		<b>GM.1 Identify SDA Christian principles and values in correlation with mathematics.</b>		
	GM.1.1	Recognize God as Creator and Sustainer of an ordered universe.		
	GM.1.2	Value God's inspired writings and created works as a revelation of His precision, accuracy, and exactness.		
	GM.1.3	Develop accountability as expressed in God's word and laws.		
	GM.1.4	Employ Christian principles as a basis for learning and growth.		
	GM.1.5	Broaden intellectual abilities through the study of mathematics.		
	GM.1.6	Make biblically-based choices when dealing with mathematical data.		
	GM.1.7	Apply biblical principles of Christian morality, integrity, and ethical behavior to mathematical processes.		
		<b>GM.2 Develop abilities in mathematics.</b>		
	GM.2.1	Understand mathematical concepts (number sense, algebraic and geometric thinking, measurement, data analysis, and probability). MP.7	•	•
	GM.2.2	Utilize the problem-solving process (explore, plan, solve, verify). MP.1, MP.2	•	•
	GM.2.3	Develop higher-order thinking skills (analyze, evaluate, reason, classify, predict, generalize, solve, decide, relate, interpret, simplify, model, synthesize). MP.2, MP.3, MP.4	•	•
	GM.2.3	Attend to precision. MP.6	•	•
		<b>GM.3 Be able to apply mathematical knowledge and skills to a variety of purposes.</b>		
	GM.3.1	Use a variety of strategies in the problem-solving process (i.e. patterns, tables, diagrams). MP.7, MP.8	•	•
	GM.3.2	Conduct research (locate, observe/gather, analyze, conclude).	•	•
	GM.3.3	Perform calculations with and without technology in life situations. MP.5	•	•
	GM.3.4	Read critically and communicate proficiently with mathematical vocabulary.	•	•
		<b>GM.4 Be able to understand terms and symbols of geometry.</b>		
Geometry	GM.4.1	Demonstrate understanding of undefined terms (point, line, plane, and space). G-CO.1	•	-
	GM.4.2	Interpret properties and relationships among figures using inductive and deductive reasoning.		
	GM.4.3	Understand how basic mathematical systems are built (observations, hypotheses/conjectures, postulates, theorems, corollaries).	•	-
	GM.4.4	Classify and characterize figures and objects (i.e. angles, polygons, polyhedrons, circles, and spheres). G-CO.1, G-C.2, G-MG.1	-	-
	GM.4.5	Recognize various types of symmetry and transformations. G-CO.2,3,4	-	-
		<b>GM.5 Be able to represent geometric properties and relationships.</b>		
	GM.5.1	Specify spatial relationships using coordinate geometry. G-CO.5,6		
	GM.5.2	Identify measurable attributes of figures and objects. G-GMD.4	•	•
	GM.5.3	Verify similarity and congruence of geometric figures. G-CO.6,7,8, G-SRT.1,2,3, G-C.1		
		<b>GM.6 Be able to apply appropriate techniques, tools, and formulas to interpret and solve problems.</b>		
	GM.6.1	Apply coordinate geometry and algebraic formulas to verify characteristics of geometric figures. G-SRT.5, G-GPE.1,4,5,7, G-GMD.3	•	
	GM.6.2	Select and use an appropriate direct or indirect method of measurement. G-GPE.6, G-C.3,4		
	GM.6.3	Construct geometric figures and objects. G-CO.12,13, G-C.3,4	-	-
	GM.6.4	Use trigonometric functions and laws to solve triangles and find areas. G-SRT.6,7,8,9	•	
	GM.6.5	Apply geometric methods to solve real-life problems. G-MG.1,2,3	•	•
	GM.6.6	Use formulas to find measurable attributes of figures and objects (i.e. arc, sector, perimeter, area, surface area, volume). G-C.2, G-GMD.1,2	•	•
		<b>GM.7 Be able to analyze results and draw appropriate conclusions.</b>		
	GM.7.1	Investigate, apply, and prove properties and theorems. G-CO.9,10,11, G-SRT.4,5, G-C.1, G-GPE.4,5		
	GM.7.2	Find and interpret information from graphs, charts, and numerical data.	•	•
	GM.7.3	Make conjectures regarding meaning, utility, and reasonableness of findings in a variety of situations, including those carried out by technology.	•	-
P	I	<b>PC.1 Identify the principles of SDA Christian values in correlation with mathematics.</b>		

PC.1.1	Recognize God as Creator and Sustainer of an ordered universe.		
PC.1.2	Value God's inspired writings and created works as a revelation of His precision, accuracy, and exactness.		
PC.1.	Develop accountability as expressed in God's word and laws.		
PC.1.4	Employ Christian principles as a basis for learning and growth.		
PC.1.5	Broaden intellectual abilities through the study of mathematics.		
PC.1.6	Make biblically-based choices when dealing with mathematical data.		
PC.1.7	Apply biblical principles of Christian morality, integrity, and ethical behavior to mathematical processes.		
<b>PC.2 Develop abilities in mathematics.</b>			
PC.2.1	Understand mathematical concepts (number sense, algebraic and geometric thinking, measurement, data analysis, and probability). MP.7	●	●
PC.2.2	Utilize the problem-solving process (explore, plan, solve, verify). MP.1, MP.2	●	●
PC.2.3	Develop higher-order thinking skills (analyze, evaluate, reason, classify, predict, generalize, solve, decide, relate, interpret, simplify, model, synthesize). MP.2, MP.3, MP.4	●	●
PC.2.3	Attend to precision. MP.6	●	●
<b>PC.3 Be able to apply mathematical knowledge and skills to a variety of purposes.</b>			
PC.3.1	Use a variety of strategies in the problem-solving process (i.e. patterns, tables, diagrams). MP.7, MP.8	●	●
PC.3.2	Conduct research (locate, observe/gather, analyze, conclude).	●	●
PC.3.3	Perform calculations with and without technology in life situations. MP.5	●	●
PC.3.4	Read critically and communicate proficiently with mathematical vocabulary.	●	●
<b>PC.4 Be able to understand concepts of functions.</b>			
PC.4.1	Characterize, classify, and transform functions (i.e. even, odd, periodic, piece-wise, continuous, translation, stretch, compression, and trigonometric). F-IF.4, F-BF.3, F-TF.2,4	-	-
PC.4.2	Demonstrate knowledge of limits (definition, properties, finite, infinite).	-	-
<b>PC.5 Be able to represent mathematical relationships and situations.</b>			
PC.5.1	Simplify, verify, and derive trigonometric identities. F-TF.8,9, G-SRT.9,10	●	-
PC.5.2	Write, graph, and convert between different forms of equations (rectangular, polar, parametric). N-CN.4	-	-
PC.5.3	Identify, graph, and interpret various expressions and functions (i.e. polynomial, inverse, trigonometric, logarithmic, exponential, vectors). N-VM.1,2,3, A-APR.3,4, F-IF.7, F-BF.4,5, F-LE.5, F-TF.1,3,6	●	-
PC.5.4	Present and interpret data using statistics and probability (i.e. regressions, counting techniques, data distribution). S-ID.,2,3,4,6,9, S-IC.1,3, S-CP.2,3,4,5,6,7,8,9	-	-
PC.5.5	Explore characteristics and operations with sequences and series, as they apply to limits. A-SSE.4, F-BF.2	-	-
PC.5.6	Perform operations of complex numbers on the complex plane. N-CN.4,5,6	-	-
<b>PC.6 Be able to apply appropriate techniques, tools, and formulas to interpret and solve problems.</b>			
PC.6.1	Solve systems of equations and inequalities using graphs, algebraic methods, and matrices. N-VM.6, A-REI.8,9	-	-
PC.6.2	Solve higher-order equations and inequalities from written and oral expression, recognizing equivalent forms.	-	-
PC.6.3	Solve exponential, logarithmic, and trigonometric equations. F-LE.4, F-TF.7, G-SRT.10,11	-	-
PC.6.4	Perform operations involving polynomials, functions, rational expressions, vectors and matrices. N-VM.4,5,6,7,8,9,10,11,12, A-APR.2,5, F-BF.1	●	-
PC.6.5	Demonstrate fractional decomposition.	-	-
PC.6.6	Demonstrate mathematical proficiency using a graphing utility. MP.5	●	-
PC.6.7	Write, graph, and manipulate equations for conic sections. G-GPE.2,3	-	-
<b>PC.7 Be able to analyze results and draw appropriate conclusions.</b>			
PC.7.1	Find and interpret information from graphs, charts, and numerical data. S-ID.6,7, F-IF.9, F-TF.5	●	-
PC.7.2	Predict patterns and generalize trends. S-IC.4,5,6, F-LE.1	●	●
PC.7.3	Judge meaning, utility, and reasonableness of findings in a variety of situations, including those	●	●

Pre-Algebra	carried out by technology. S-IC.2, S-ID.8, S-MD.6,7			
	<b>PC.1 Identify the principles of SDA Christian values in correlation with mathematics.</b>			
	PA.1.1	Recognize God as Creator and Sustainer of an ordered universe.		
	PA.1.2	Value God's inspired writings and created works as a revelation of His precision, accuracy, and exactness.		
	PA.1.3	Develop accountability as expressed in God's word and laws.		
	PA.1.4	Employ Christian principles as a basis for learning and growth.		
	PA.1.5	Broaden intellectual abilities through the study of mathematics.		
	PA.1.6	Make biblically-based choices when dealing with mathematical data.		
	PA.1.7	Apply biblical principles of Christian morality, integrity, and ethical behavior to mathematical processes.		
	<b>PA.2 Develop abilities in mathematics.</b>			
	PA.2.1	Understand mathematical concepts (number sense, algebraic and geometric thinking, measurement, data analysis, and probability).	●	●
	PA.2.2	Utilize the problem-solving process (explore, plan, solve, verify).	●	●
	PA.2.3	Develop higher-order thinking skills (analyze, evaluate, reason, classify, predict, generalize, solve, decide, relate, interpret, simplify, model, synthesize).	●	●
	<b>PA.3 Be able to apply mathematical knowledge and skills to a variety of purposes.</b>			
	PA.3.1	Use a variety of strategies in the problem-solving process (i.e. patterns, tables, diagrams).	●	●
	PA.3.2	Conduct research (locate, observe/gather, analyze, conclude).	●	●
	PA.3.3	Perform calculations with and without technology in life situations.	●	●
	PA.3.4	Read critically and communicate proficiently with mathematical vocabulary.	●	●
	<b>PA.4 Be able to understand concepts involving real numbers.</b>			
	PA.4.1	Simplify expressions using the order of operations.	●	●
	PA.4.2	Identify numbers (natural, whole, integers, rational, irrational, real) and operations of numbers (addition, subtraction, multiplication, division) including scientific notation.	-	-
	PA.4.3	Identify relationships among numbers (i.e. equations, inequalities, ratios, proportions, conversions).	●	●
	<b>PA.5 Be able to represent mathematical situations using algebraic symbols and models.</b>			
	PA.5.1	Use and evaluate expressions involving variables.	●	●
	PA.5.2	Write and solve equations and inequalities from written and oral expression.	●	●
	PA.5.3	Identify, graph, and interpret functions.	●	●
	PA.5.4	Apply basic concepts of statistics and probability (mean, median, mode, range, box and whisker).	-	-
	<b>PA.6 Be able to apply appropriate techniques, tools, and formulas to interpret and solve problems.</b>			
	PA.6.1	Calculate measurable attributes of figures (degrees of angles, lengths, perimeter, area, volume).	●	-
	PA.6.2	Use and manipulate given formulas to solve a variety of problems (i.e. slope, distance, area, volume, perimeter, midpoint).	●	-
	PA.6.3	Solve consumer-related problems (i.e. profit/loss, sales tax, mark-up/discount, interest).	-	-
	<b>PA.7 Be able to analyze results and draw appropriate conclusions.</b>			
PA.7.1	Find and interpret information from graphs, charts, and numerical data.	●	●	
PA.7.2	Predict patterns and generalize trends.	●	-	
PA.7.3	Judge meaning, utility, and reasonableness of findings in a variety of situations, including those carried out by technology.	●	-	