

GLENCOE/MCGRAW-HILL
 MATHEMATICS CORRELATIONS
 PRE-ALGEBRA

Mathematics New Generation Sunshine State Standards Crosswalk Correlations

Course Code 1200300

Course Category 6-12

Subject Area Mathematics

Course Type Elective

Course Title Pre-Algebra

Course Level 1

Course Length Full Year

Credit

Description 1

Abbreviated

Title Pre-Algebra

RELATED BENCHMARKS (31) :

Scheme	Descriptor	Lesson #
LA.1112.3.1.3	The student will prewrite by using organizational strategies and tools (e.g., technology, spreadsheet, outline, chart, table, graph, Venn Diagram, web, story map, plot pyramid) to develop a personal organizational style.	Throughout Text
LA.910.1.6.1	The student will use new vocabulary that is introduced and taught directly;	Throughout Text: Foldables
MA.6.S.6.1	Determine the measures of central tendency (mean, median, mode) and variability (range) for a given set of data.	5-8
MA.7.A.1.1	Distinguish between situations that are proportional or not proportional and use proportions to solve problems.	Chapter 6
MA.8.A.1.1	Create and interpret tables, graphs, and models to represent, analyze, and solve problems related to linear equations, including analysis of domain, range and the difference between discrete and continuous data.	8-1 through 8-7

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<u>RELATED BENCHMARKS (31) :</u>	Lesson #	
MA.8.A.1.2	Interpret the slope and the x- and y-intercepts when graphing a linear equation for a real-world problem.	8-4
MA.8.A.1.5	Translate among verbal, tabular, graphical and algebraic representations of linear functions.	8-1 through 8-8
MA.8.A.4.1	Solve literal equations for a specified variable.	3-7
MA.8.A.6.1	Use exponents and scientific notation to write large and small numbers and vice versa and to solve problems.	4-1, 4-2, 4-6 through 4-8
MA.8.A.6.4	Perform operations on real numbers (including integer exponents, radicals, percents, scientific notation, absolute value, rational numbers, and irrational numbers) using multi-step and real world problems.	1-1, 1-5, Chapter 2, 4, 5, 6, 9-1, 9-2, p. 465
MA.8.G.2.1	Use similar triangles to solve problems that include height and distances.	9-6, 9-7, p. 476, 9-8
MA.8.G.2.2	Classify and determine the measure of angles, including angles created when parallel lines are cut by transversals.	10-1
MA.8.G.2.3	Demonstrate that the sum of the angles in a triangle is 180-degrees and apply this fact to find unknown measure of angles, and the sum of angles in polygons.	9-4 and 10-6
MA.8.G.2.4	Validate and apply Pythagorean Theorem to find distances in real world situations or between points in the coordinate plane.	9-5, 9-6

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<u>RELATED BENCHMARKS (31) :</u>		Lesson #
MA.8.G.5.1	Compare, contrast, and convert units of measure between different measurement systems (US customary or metric (SI)) and dimensions including temperature, area, volume, and derived units to solve problems.	p. 720 & 721
MA.8.S.3.1	Select, organize and construct appropriate data displays, including box and whisker plots, scatter plots, and lines of best fit to convey information and make conjectures about possible relationships.	12-1 through 12-4
MA.912.A.1.1	Know equivalent forms of real numbers (including integer exponents and radicals, percents, scientific notation, absolute value, rational numbers, irrational numbers).	1-1, 1-5, Chapter 2, 4, 5, 6, 9-1, 9-2, p. 465
MA.912.A.1.2	Compare real number expressions.	9-1 and 9-2
MA.912.A.1.3	Simplify real number expressions using the laws of exponents.	9-1 and 9-2
MA.912.A.1.4	Perform operations on real numbers (including integer exponents, radicals, percents, scientific notation, absolute value, rational numbers, irrational numbers) using multi-step and real-world problems.	Looks identical to A.6.4 above???? (downloaded from state site.)
MA.912.A.1.5	Use dimensional (unit) analysis to perform conversions between units of measure, including rates.	p. 720 & 721, and 6-1 and 6-7 through 6-9
MA.912.A.2.1	Create a graph to represent a real-world situation.	8-1 through 8-8
MA.912.A.2.2	Interpret a graph representing a real-world situation.	8-3, 8-10

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<u>RELATED BENCHMARKS (31) :</u>		Lesson #
MA.912.A.3.1	Solve linear equations in one variable that include simplifying algebraic expressions.	7-1 and 7-2
MA.912.A.3.2	Identify and apply the distributive, associative, and commutative properties of real numbers and the properties of equality.	1-4
MA.912.A.4.1	Simplify monomials and monomial expressions using the laws of integral exponents.	Chapt. 4
MA.912.A.10.2	Decide whether a solution is reasonable in the context of the original situation.	1-1, 12-5
MA.912.A.10.4	Use counterexamples to show that statements are false.	1-4
MA.912.P.1.1	Use counting principles, including the addition and the multiplication principles, to determine size of finite sample spaces and probabilities of events in those spaces.	12-6
MA.912.P.2.2	Determine probabilities of independent events.	12-9
MA.912.S.2.2	Apply the definition of random sample and basic types of sampling, including representative samples, stratified samples, censuses.	*need supplement

*check www.glencoe.com for additional supplemental lessons online