Math Teachers Press, Inc.

FLORIDA SUNSHINE STATE STANDARDS CORRELATED TO
MOVING WITH ALGEBRA GRADE 8

		Part A Student Book Skill Builders (SB)	Part B Student Book Skill Builders (SB)
	ALGEBRA		
	IDEA 1: Analyze and represent linear functions and solve linear equations and systems of linear equations.		
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.		231, 232, 273, 274, 279, 280, 311-317, 332, 333 **SB:** 196, 197, 224, 236-239, 254
MA.8.A.1.2	Interpret the slope and the *x*- and *y*- intercepts when graphing a linear equation for a real-world problem.		332, 333
MA.8.A.1.3	Use tables, graphs, and models to represent, analyze, and solve real-world problems related to systems of linear equations.		329-331
MA.8.A.1.4	Identify the solution to a system of linear equations using graphs.		351 **SB:** 244
MA.8.A.1.5	Translate among verbal, tabular, graphical and algebraic representations of linear functions.		232, 273, 274, 279, 280, 311-317, 322, 324-333 **SB:** 197, 224, 236-239, 242-244, 249, 254
MA.8.A.1.6	Compare the graphs of linear and non-linear functions for real-world situations.		
	GEOMETRY		
	IDEA 2: Analyze two- and three-dimensional figures by using distance and angle.		
MA.8.G.2.1	Use similar triangles to solve problems that include height and distances.		225 **SB:** 189

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MA.8.G.2.2	Classify and determine the measure of angles, including angles created when parallel lines are cut by transversals.		186, 187, 194, 195, 200 **SB:** 155, 163, 167
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 measures of angles, and the sum of angles in polygons.		196-199 **SB:** 164-166
MA.8.G.2.4	Validate and apply Pythagorean Theorem to find distances in real-world situations or between points in the coordinate plane.		218, 219 **SB:** 186
	STATISTICS		
	IDEA 3: Analyze and summarize data sets.		
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.	179	
MA.8.S.3.2	Determine and describe how changes in data values impact measures of central tendency.	56, 57 **SB:** 47-50	
	SUPPORTING IDEAS		
	ALGEBRA		
MA.8.A.4.1	Solve literal equations for a specified variable.		255-261, 266, 267, 270-272, 281 **SB:** 212-219, 221
MA.8.A.4.2	Solve and graph one- and two-step inequalities in one variable.		283-287 **SB:** 225
	GEOMETRY AND MEASUREMENT		
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.		210-214, 223, 224, 228, 229 **SB:** 178-182, 193-195, 198, 199, 253
	NUMBER AND OPERATIONS		
MA.8.A.6.1	Use exponents and scientific notation to write large and small numbers and vice versa and to solve problems.	22, 23, 25 **SB:** 17, 18	

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MA.8.A.6.2	Make reasonable approximations of square roots and mathematical expressions that include square roots, and use them to estimate solutions to problems and to compare mathematical expressions involving real numbers and radical expressions.		216, 217, 304, 305 **SB:** 184, 185, 233
MA.8.A.6.3	Simplify real number expressions using the laws of exponents.	18, 19 **SB:** 14	292-303 **SB:** 228-232, 247, 252
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	58, 59, 78, 119, 159, 160, 173, 175-177 **SB:** 51-53, 129, 136-138	225-227, 233, 234, 275-280, 317, 332, 333 **SB:** 189, 191, 192, 198, 199, 217, 218, 222-224, 245, 246
	Correlation: 18/19 = 94%		