Summary of 2008 Mathematics Standard Changes

GRADE 8			
Removed POs	**POs Moved to a Different Grade Level**	**POs Moved within the Grade Level or from another Grade Level**	**New POs**
M08-S1C2-08 (2003) Use grade-level appropriate mathematical terminology. **(This skill is required throughout the standard).**	M08-S2C1-12 (2003) Distinguish between causation and correlation. MOVED to MCWR-S2C1-07 (2008)	M08-S1C1-01 (2003) and M08-S1C1-02 (2003) MOVED to M08-S1C3-02 (2008) Estimate the location of rational and common irrational numbers on a number line.	M08-S1C2-02 (2008) Describe the effect of multiplying and dividing a rational number by • a number less than zero, • a number between zero and one, • one, and • a number greater than one.
M08-S2C1-01 (2003) Formulate questions to collect data in contextual situations.	M08-S2C4-01 (2003) Solve contextual problems represented by vertex-edge graphs. MOVED to M07-S2C4-01 (2008)	M08-S1C1-03 (2008) Model the relationship between the subsets of the real number system. MOVED from M07-S1C1-08 (2003)	M08-S2C1-05 (2008) Evaluate the design of an experiment.
M08-S2C1-10 (2003) Evaluate the effects of missing or incorrect data on the results of an investigation (e.g., Susie's teacher recorded a 39 instead of a 93 for her last quiz, what will happen to Susie's average?).	M08-S4C1-01 (2003) Draw a model that demonstrates basic geometric relationships such as parallelism, perpendicularity, similarity/proportionality, and congruence. MOVED to M07-S4C1-03 (2008)	M08-S1C2-06 (2003) MOVED to M08-S3C3-03 (2008) Analyze situations, simplify, and solve problems involving linear equations and inequalities using the properties of the real number system.	M08-S2C3-02 (2008) Solve counting problems and represent counting principles algebraically including factorial notation.
	M08-S4C1-02 (2003) Draw 3-dimensional figures by applying properties of each (e.g., parallelism, perpendicularity, congruency). MOVED to M07-S4C1-03 (2008)	M08-S3C2-02 (2008) Determine if a relationship represented by a graph or table is a function. MOVED from MHS-S3C2-01 (2003)	M08-S2C4-01 (2008) Use directed graphs to solve problems.

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	M08-S4C1-03 (2003) Recognize the 3-dimensional figure represented by a net. MOVED to M04-S4C1-07 (2008)	M08-S3C3-11 (2003) MOVED to M08-S3C3-03 (2008) Analyze situations, simplify, and solve problems involving linear equations and inequalities using the properties of the real number system. M08-S4C4-02 (2008) Solve geometric problems using ratios and proportions.	M08-S3C2-05 (2008) Demonstrate that proportional relationships are linear using equations, graphs, or tables.
	M08-S4C1-04 (2003) Represent the surface area of rectangular prisms and cylinders as the area of their net. MOVED to M07-S4C4-05 (2008)	M08-S3C3-12 (2003) MOVED to M08-S4C3-02 (2008) Use the Pythagorean Theorem to find the distance between two points in the coordinate plane.	M08-S4C1-02 (2008) Predict results of combining, subdividing, and changing shapes of plane figures and solids.
	M08-S4C1-05 (2003) Draw regular polygons with appropriate labels. MOVED to M05-S4C1-01 (2008)	M08-S4C3-01 (2003) MOVED to M08-S3C3-04 (2008) Translate between different representations of linear equations using symbols, graphs, tables, or written descriptions.	M08-S4C1-04 (2008) Use the Pythagorean Theorem to solve problems.

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	M08-S4C1-06 (2003) Identify the properties of angles created by a transversal intersecting two parallel lines (e.g., corresponding angles are congruent). MOVED to M07-S4C1-02 (2008)	M08-S4C2-02 (2008) Describe the transformations that create a given tessellation. MOVED from M04-S4C2-02 (2003), M05-S4C2-02 (2003), and M06-S4C2-02 (2003)	M08-S4C2-03 (2008) Identify lines of symmetry in plane figures or classify types of symmetries of 2-dimensional figures.
	M08-S4C1-09 (2003) Determine whether three given lengths can form a triangle. MOVED to MHS-S4C1-09 (2008)	M08-S5C1-01 (2003) MOVED to M08-S3C4-01 (2008) Solve problems involving simple rates. M08-S5C2-08 (2008) Describe when to use proportional reasoning to solve a problem.	M08-S4C4-01 (2008) Solve problems involving conversions within the same measurement system.
	M08-S4C2-01 (2003) Identify the planar geometric figure that is the result of a given rigid transformation. MOVED to M06-S4C2-01 (2008)		M08-S5C2-01 (2008) Analyze a problem situation to determine the question(s) to be answered.
	M08-S4C4-01 (2003) Solve problems for the area of a trapezoid. MOVED to M06-S4C4-05 (2008)		M08-S5C2-02 (2008) Analyze and compare mathematical strategies for efficient problem solving; select and use one or more strategies to solve a problem.

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	M08-S4C4-05 (2003) Find the measure of a missing interior angle in a triangle or quadrilateral. MOVED to MHS-S4C1-06 (2008)		M08-S5C2-03 (2008) Identify relevant, missing, and extraneous information related to the solution to a problem.
	M08-S5C1-02 (2003) Analyze algorithms. MOVED to M06-S5C1-01 (2008)		M08-S5C2-04 (2008) Represent a problem situation using multiple representations, describe the process used to solve the problem, and verify the reasonableness of the solution.
			M08-S5C2-05 (2008) Apply a previously used problem-solving strategy in a new context.
			M08-S5C2-06 (2008) Communicate the answer(s) to the question(s) in a problem using appropriate representations, including symbols and informal and formal mathematical language.
			M08-S5C2-07 (2008) Isolate and organize mathematical information taken from symbols, diagrams, and graphs to make inferences, draw conclusions, and justify reasoning.

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			M08-S5C2-09 (2008) Make and test conjectures based on information collected from explorations and experiments.
			M08-S5C2-12 (2008) Make, validate, and justify conclusions and generalizations about linear relationships.