Cord Algebra I, Mathematics in Context, 3rd edition
correlation to Idaho Algebra I Content Standards

	Cord Algebra I Lesson(s)
Standard 1: Number and Operation	
Goal 1.1: Understand numbers, ways of representing numbers, relationships among numbers, and number systems.	
AI.1.1.1 Demonstrate meanings for real numbers, absolute value, integer exponents, and square roots.	1.1, 1.3, 5.5, 10.3, 13.3
AI.1.1.2 Demonstrate how the properties of real numbers apply to rational numbers.	1.4, 1.5, 10.3
Goal 1.2: Understand meanings of operations and how they relate to one another.	
AI.1.2.1 Judge the effects of multiplication, division, addition, subtraction, exponents, and square roots on the magnitudes of quantities.	1.4, 1.5, 5.5, 10.3, 13.3
Goal 1.3: Compute fluently and make reasonable estimates.	
AI.1.3.1 Perform computations with exponents, radicals, and scientific notation.	1.7, 10.3, 13.3
AI.1.3.2 Apply number sense to every day situations and judge reasonableness of solutions.	covered throughout the textbook in Math Applications feature as students are instructed to explain why their answer is valid
AI.1.3.3 Use the properties of real numbers to simplify expressions.	1.8
Standard 2: Concepts and Principles of Measurement	
Goal 2.1 Understand measurable attributes of objects and the units, systems, and processes of measurement.	
AI.2.1.1 Make decisions about units and scales that are appropriate for a given problem.	2.1, 2.2, 2.3
Goal 2.2: Apply appropriate techniques, tools, and formulas to determine measurements.	
AI.2.2.1 Convert rates using dimensional analysis.	2.2

Standard 3: Concepts and Language of Algebra and Functions	
Goal 3.1: Understand patterns, relations, and functions.	
AI.3.1.1 Represent linear patterns and functional relationships in a table and as a graph.	4.1, 4.2, 4.3, 4.4, 4.5
AI.3.1.2 Describe the graph of a linear function and discuss its appearance in terms of the basic concepts of intercepts and slope.	4.2, 4.3, 4.4, 4.5
AI.3.1.3 Describe the graph of a quadratic equation as a parabola which opens up or down.	11.1
Goal 3.2: Represent and analyze mathematical situations and structures using algebraic symbols.	
AI.3.2.1 Determine the equation for a line, solve linear equations and inequalities.	3.1, 3.2, 3.3, 3.4, 3.5, 4.4, 9.1, 9.2, 9.3
AI.3.2.2 Solve and describe linear systems of equations and inequalities using numbers, symbols, and graphs.	8.1, 8.2, 8.3, 8.4, 8.5, 9.6
AI.3.2.4 Solve quadratic equations which have roots that are integers.	11.2, 11.3, 11.4, 11.5, 11.6
Goal 3.3: use mathematical models to represent and understand quantitative relationships.	
AI.3.3.1 Draw reasonable conclusions about a situation being modeled.	covered throughout the textbook in Math Applications feature
AI.3.3.2 Develop proportional relationships to solve problems.	2.2, 2.3, 3.2
Goal 3.4: Analyze change in various contexts.	
AI.3.4.1 Interpret changes to the parent function $y = x$.	4.6, 4.7
Standard 4: Concepts and Principles of Geometry No objectives at this course level.	
Standard 5: Data Analysis, Probability, and Statistics	
Goal 5.1: Collect, organize, and display data using a variety of formats. No objectives at this course level.	
Goal 5.2: Select and use appropriate statistical methods to analyze data.	
AI.5.2.1 Make predictions and draw conclusions based on measures of central tendency.	7.1, 7.2
AI.5.2.2 Make predictions using linear relations, scatter plots, trend lines, charts, and tables.	7.2, 7.3, 7.4, 7.5
Goal 5.3: Develop and evaluate inferences and predictions that are based on data. No objectives at this course level.	
Goal 5.4: Understand basic concepts of probability. No objectives at this course level.	