

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

	Cord Geometry Lesson(s)
Standard 1: Number and Operation	
Goal 1.1: Understand numbers, ways of representing numbers, relationships among numbers, and number systems.	
G.1.1.1 Compare and contrast the properties of numbers and number systems within the real number system to include rational and irrational numbers.	5.1, 5.2
Goal 1.2: Understand meanings of operations and how they relate to one another. No objectives at this course level.	
Goal 1.3: Compute fluently and make reasonable estimates.	
G.1.3.1 Judge the reasonableness of numerical computations and their results.	covered throughout the textbook in Math Applications feature as students are instructed to explain why their answer is valid
Standard 2: Concepts and Principles of Measurement	
Goal 2.1 Understand measurable attributes of objects and the units, systems, and processes of measurement.	
G.2.1.1 Make decisions about units that are appropriate for problems involving measurements.	1.2, Chapter 8, Chapter 10
Goal 2.2: Apply appropriate techniques, tools, and formulas to determine measurements.	
G.2.2.1 Understand and use formulas to calculate the perimeter, circumference, area, surface area, and volume of geometric figures.	Chapter 8 and Chapter 10
Standard 3: Concepts and Language of Algebra and Functions No specific objectives at this course level	

Standard 4: Concepts and Principles of Geometry	
Goal 4.1: Analyze characteristics and properties of two- and three-dimensional geometric shapes and develop mathematical arguments about geometric relationships.	
G.4.1.1 Analyze properties and determine attributes of two- and three-dimensional objects.	Covered thoroughly in Chapters 3, 4, 5, 6, 7, 8, 9, 10
G.4.1.2 Explore congruence and similarity among classes of two dimensional objects and solve problems involving them.	3.4, 3.5, 3.6, 4.2, 4.3, 4.4
G.4.1.3 Establish the validity of geometric conjecture using inductive and deductive reasoning.	2.1, 2.2, 2.4, 2.5, 2.6, 2.7, 2.8
G.4.1.4 Apply trigonometric relationships to determine lengths and angle measures.	5.4, 5.5, 5.6
Goal 4.2: Specify locations and describe spatial relationships using coordinate geometry and other representational systems.	
G.4.2.1 Use Cartesian coordinates to analyze geometric situations.	7.1, 7.2, 7.3, 7.4, 7.5, 7.6
G.4.2.2 Solve problems involving two dimensional objects represented with Cartesian coordinates.	7.1, 7.2, 7.3, 7.4, 7.5
Goal 4.3: Apply transformations and use symmetry to analyze mathematical situations.	
G.4.3.1 Understand and represent translations, reflections, dilations, and rotations of objects in the plane.	11.1, 11.2, 11.3, 11.4, 11.7
Goal 4.4: Use visualization, spatial reasoning, and geometric models to solve problems.	
G.4.4.1 Draw and construct representations of two dimensional geometric objects using a variety of tools.	1.4, 10.1, 10.2, various Math Labs use technology to create geometric objects
Standard 5: Data Analysis, Probability, and Statistics No objectives at this course level.	