

## DesCartes: A Continuum of Learning®

Mathematics Goal: Geometry RIT Score Range:221 - 230Statements Last Updated:Mar 10, 2014

Skills and Concepts to Enhance (73% Probability*) 211 - 220	Skills and Concepts to Develop (50% Probability*) 221 - 230	Skills and Concepts to Introduce (27% Probability*) 231 - 240
Reason with Shapes, Attributes, & Coordinate Plane	Reason with Shapes, Attributes, & Coordinate Plane	Reason with Shapes, Attributes, & Coordinate Plane
<ul> <li>Determines the distance between horizontal and vertical lines in the first quadrant of a rectangular coordinate system</li> <li>Locates the origin on a coordinate grid</li> <li>Identifies rays</li> <li>Identifies perpendicular lines</li> <li>Identifies acute angles</li> <li>Identifies obtuse angles</li> <li>Identifies and names a trapezoid</li> <li>Identifies and names a quadrilateral</li> <li>Classifies polygons by type of angle</li> <li>Identifies corners (vertices) of cubes</li> <li>Identifies the number of edges on rectangular prisms</li> <li>Predicts and verifies the effects of combining or subdividing basic shapes</li> </ul>	<ul> <li>Determines coordinates of geometric figures in the first quadrant</li> <li>Identifies rays</li> <li>Determines which lines are perpendicular (analysis)</li> <li>Identifies acute angles</li> <li>Recognizes the interior angle relationships of triangles</li> <li>Classifies equilateral triangles</li> <li>Identifies and names a rhombus</li> <li>Identifies and names a quadrilateral</li> <li>Compares polygons by properties</li> <li>Identifies polygons by type of angle</li> <li>Identifies the number of edges on rectangular prisms</li> </ul>	<ul> <li>Determines which lines are perpendicular (analysis)</li> <li>Recognizes the interior angle relationships of triangles</li> <li>Classifies isosceles triangles</li> <li>Identifies properties of circles</li> <li>Compares polygons by properties</li> <li>Identifies properties of quadrilaterals</li> </ul>
New Vocabulary: acute angle, congruent angle, obtuse angle, straight angle	New Vocabulary: None New Signs and Symbols: None	New Vocabulary: None New Signs and Symbols: congruent segment symbol
New Signs and Symbols: Z angle, angle marker (arc)		

**Explanatory Notes** 

\* At the range mid-point, this is the probability students would correctly answer items measuring these concepts and skills. Both data from test items and review by NWEA curriculum specialists are used to place Learning Continuum statements into appropriate RIT ranges. Blank cells indicate data are limited or unavailable for this range or document version.

1