Coordinate Geometry

Students	Learning Continuum Statements:
Students:	 RIT 201-210: Counts to find the distance between points on the coordinate plane Determines the coordinates of missing vertices of geometric figures in the first quadrant given the other vertices plotted on the coordinate plane Determines the coordinates of points in all four quadrants of a coordinate graph Determines the distance between two points with the same first or second coordinate
Students:	 RIT 211-220: Counts to find the distance between points on the coordinate plane Determines the coordinates of missing vertices of geometric figures in the first quadrant given the coordinates of the other vertices Determines the coordinates of missing vertices of geometric figures in the first quadrant given the other vertices plotted on the coordinate plane Determines the coordinates of points in all four quadrants of a coordinate graph Determines the distance between two points with the same first or second coordinate
Students:	 RIT 221-230: Determines the coordinates of missing vertices of geometric figures in the first quadrant given the coordinates of the other vertices Determines the coordinates of missing vertices of geometric figures in the first quadrant given the other vertices plotted on the coordinate plane Determines the coordinates of one endpoint of a line segment given the coordinates of the midpoint and the other endpoint Determines the coordinates of points in all four quadrants of a coordinate graph Determines the distance between two points with the same first or second coordinate
Students:	 RIT 231-240: Determines a side length of a polygon given the coordinates of the vertices with the same first or second coordinate Determines the coordinates of missing vertices of geometric figures in the first quadrant given the coordinates of the other vertices Determines the coordinates of one endpoint of a line segment given the coordinates of the midpoint and the other endpoint Determines the coordinates of points in all four quadrants of a coordinate graph Determines the coordinates of the midpoint of a line segment Determines the distance between two points with the same first or second coordinate Identifies the type of quadrilateral given the coordinates of the vertices

Students:	RIT 241-250:
	 Determines the area of a triangle given the coordinates of the vertices Determines the coordinates of one endpoint of a line segment given the coordinates of the midpoint and the other endpoint Determines the coordinates of the midpoint of a line segment Determines the distance between two points on the coordinate plane Determines the perimeter or area of a rectangle given vertices with the same first or second coordinate
Students:	RIT 251-260:
	 Determines the area of a triangle given vertices with the same first or second coordinate Determines the coordinates of missing vertices of geometric figures in all four quadrants given the coordinates of the other vertices Determines the coordinates of one endpoint of a line segment given the coordinates of the midpoint and the other endpoint Determines the coordinates of the midpoint of a line segment Determines the distance between two points on the coordinate plane Determines the slope of a line perpendicular to a given line Identifies collinear points Uses slopes to identify perpendicular lines Writes the equation of a line parallel to a given line Writes the equation of a line perpendicular to a line that passes through a given point
Students:	RIT 261-270:
	 Determines the area of a rectangle given the coordinates of the vertices Determines the coordinates of the midpoint of a line segment Determines the distance between two points on the coordinate plane Determines the perimeter of a rectangle given the coordinates of the vertices Determines the perimeter of a triangle given the coordinates of the vertices Determines the ratio between two pieces of a line segment given a point on the line segment that is not the midpoint Determines the slope of a line perpendicular to a given line Determines the slope of a line perpendicular to a line that passes through two given points Identifies collinear points Writes the equation of a line perpendicular to a line that passes through a given point Writes the equation of the perpendicular bisector of a line segment
Students:	RIT 271-280:
	 Determines the area of a rectangle given the coordinates of the vertices Identifies collinear points Writes the equation of a line perpendicular to a line that passes through a given point Writes the equation of the perpendicular bisector of a line segment