

# Math DesCartes: Concepts and Principles of Geometry

## Skills: Graphing in Two Dimensions

Students:	DesCartes Skills: <small>(Highlight the skills related to your chosen standard/concept)</small>
	<b>RIT 261-270:</b> <ul style="list-style-type: none"> <li>Determines the area of a figure when plotting ordered pairs with a grid given</li> </ul>
	<b>RIT 251-260:</b> <ul style="list-style-type: none"> <li>Determines the midpoint of a line on a coordinate grid</li> <li>Determines endpoints of a line on a coordinate grid</li> <li>Determines symmetry with respect to a point or line of a figure under transformation</li> <li>Determines the area of a figure when plotting ordered pairs with a grid given</li> <li>Determines the area of a figure when plotting ordered pairs without a grid</li> </ul>
	<b>RIT 241-250:</b> <ul style="list-style-type: none"> <li>Determines the distance between two points</li> <li>Determines the midpoint of a line on a coordinate grid</li> <li>Determines the new coordinates of a transformed geometric figure</li> <li>Determines the area of a figure when plotting ordered pairs with a grid given</li> <li>Determines the figure when plotting ordered pairs</li> <li>Determines the perimeter of a figure when plotting ordered pairs</li> <li>Computes and interprets the midpoint, given a set of ordered pairs (horizontal and vertical lines)</li> <li>Computes and interprets distance, given a set of ordered pairs (horizontal and vertical lines)</li> </ul>
	<b>RIT 231-240:</b> <ul style="list-style-type: none"> <li>Graphs ordered pairs in all quadrants</li> <li>Determines the area of a figure when plotting ordered pairs with a grid given</li> <li>Computes and interprets the midpoint, given a set of ordered pairs (horizontal and vertical lines)</li> <li>Computes and interprets distance, given a set of ordered pairs (horizontal and vertical lines)</li> </ul>
	<b>RIT 221-230:</b> <ul style="list-style-type: none"> <li>Determines coordinates of geometric figures</li> <li>Determines the length of line segments on a coordinate graph</li> <li>Graphs ordered pairs in all quadrants</li> <li>Computes and interprets the midpoint, given a set of ordered pairs (horizontal and vertical lines)</li> <li>Computes and interprets distance, given a set of ordered pairs (horizontal and vertical lines)</li> </ul>
	<b>RIT 211-220:</b> <ul style="list-style-type: none"> <li>Determines the distance between horizontal and vertical lines of a rectangular coordinate system</li> <li>Locates the origin on a coordinate grid</li> </ul>
	<b>RIT 201-210:</b> <ul style="list-style-type: none"> <li>Graphs ordered pairs in the first quadrant</li> <li>Determines and names locations on a labeled grid or coordinate system (e.g., map or graph)</li> <li>Determines the distance between horizontal and vertical lines of a rectangular coordinate system</li> <li>Locates the origin on a coordinate grid</li> </ul>
	<b>RIT 181-200:</b> <ul style="list-style-type: none"> <li>Determines and names locations on a labeled grid or coordinate system (e.g., map or graph)</li> </ul>

**Lesson Title:**

**Standard/Concept for All:**

**For Students Ready for a Challenge:**

Lesson/Activity:

Resources:

Means of Assessment:

**For Most Students:**

Lesson/Activity:

Resources:

Means of Assessment:

**For Students Needing Extra Support:**

Lesson/Activity:

Resources:

Means of Assessment:

**Closure/Summary for All:**

