

# Math ISAT: Concepts and Principles of Geometry

## Skills: Graphing in Two Dimensions

Students:	<b>RIT Above 270:</b> <ul style="list-style-type: none"><li>• <i>No Skills Listed</i></li></ul>
Students:	<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>
Students:	<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>
Students:	<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>
Students:	<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>
Students:	<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>
Students:	<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>
Students:	<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>
Students:	<b>RIT 191-200:</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>
Students:	<b>RIT 181-190:</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>
Students:	<b>RIT 171-180:</b> <ul style="list-style-type: none"><li>• <i>No Skills Listed</i></li></ul>
Students:	<b>RIT 161-170:</b> <ul style="list-style-type: none"><li>• <i>No Skills Listed</i></li></ul>
Students:	<b>RIT Below 161:</b> <ul style="list-style-type: none"><li>• <i>No Skills Listed</i></li></ul>