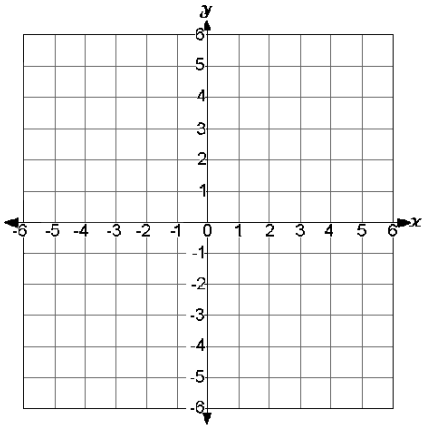
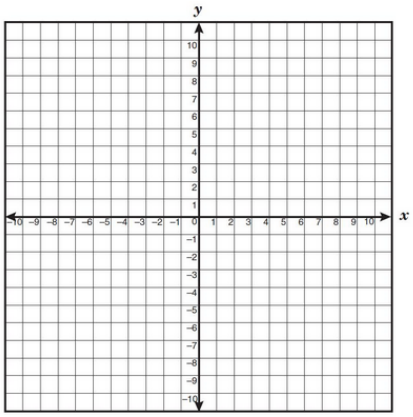
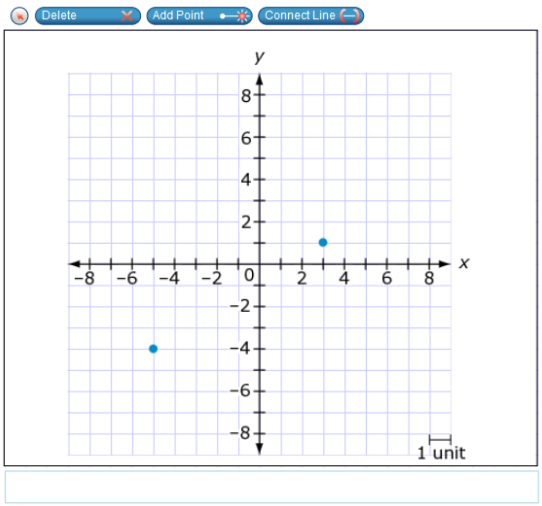
Content Standard	***MAFS.6.G*** *Geometry* ***MAFS.6.G.1*** *Solve real-world and mathematical problems involving area, surface area and volume* ***MAFS.6.G.1.3*** Draw polygons in the coordinate plane given coordinates for the vertices; use coordinates to find the length of a side joining points with the same first coordinate or the same second coordinate. Apply these techniques in the context of solving real-world and mathematical problems.
Assessment Limits	Numbers in items must be rational numbers. Items may use all four quadrants. When finding side length, limit polygons to traditional orientation (side lengths perpendicular to axes).
Calculator	No
Item Types	Equation Editor GRID Multiple Choice
Context	Allowable

Sample Item	Item Type
A set of points is shown. (5, 1.5), (0, 2.5), (-1.5, -6), (4, -3), (-4.5, 1.5) Use the Connect Line tool to draw the polygon created by the points.  	GRID

Sample Item	Item Type
Konrad has drawn a triangle on a coordinate grid. • One of the vertices is located at (-1, -2). • A second vertex has an x-coordinate of 7 and a positive y-coordinate. • The area of the triangle is 20 square units. Use the Connect Line tool to draw a possible triangle that could be Konrad's.  	GRID
A quadrilateral with exactly one pair of parallel sides is drawn. Two of the vertices are (3, 1) and $(-5, -4)$, and at least one side has a length of five units. Use the Connect Line tool to draw a possible quadrilateral.  	GRID