

Content: Math		Grade Level: 6th
Standard: 6.NS.8		
Solve real-world and mathematical problems by graphing points in all four quadrants of the coordinate plane. Include use of coordinates and absolute value to find distances between points with the same first coordinate or the same second coordinate.		
I can statements:		
<ul style="list-style-type: none"> I can solve real-world problems by graphing points in all four quadrants. I can find the distance between points with the same first or second coordinate. 		
Score 4.0	In addition to Score 3.0, in-depth inferences and applications that go beyond what was taught.	
	Sample Activities	
	A right triangle has points at (-6,-4) and (2,-4). What is the third point in order for it to have an area of 40 square units? Possible answers: (2,6), (-6,6), (-6,-14), (2, -14)	
	3.5	In addition to score 3.0 performance, in-depth inferences and applications with partial success.
Score 3.0	The student can solve real-world problems involving graphing coordinates. The student exhibits no major errors or omissions.	
	An archaeologist divides an area using a coordinate plane in which each unit represents 1 meter. The corners of a secret chamber are found at (-4,5), (2,5), (2,1) and (-4,1). What is the perimeter of the secret chamber? Answer: 22 meters	
	2.5	No major errors or omissions regarding 2.0 content and partial knowledge of the 3.0 content.
Score 2.0	There are no major errors or omissions regarding the simpler details and processes. However, the student exhibits major errors or omissions regarding the more complex ideas and processes.	
	Plot the following points on a coordinate plane: P (-5,3), Q (-1,3), R (-1,-4), S (-5,-4) List the quadrants they lie in.	
	1.5	Partial knowledge of the 2.0 content, but major errors or omissions regarding the 3.0 content.
Score 1.0	With help, a partial understanding of some of the simpler details and processes and some of the more complex ideas and processes.	
	0.5	With help, a partial understanding of the 2.0 content, but not the 3.0 content.
Score 0.0	Even with help, no understanding or skill demonstrated.	