Content Standard	MAFS.6.NS The Number System		
	MAFS.6.NS.3 Apply and extend previous understandings of numbers to the system of rational numbers. MAFS.6.NS.3.6a Recognize opposite signs of numbers as indicating locations on opposite sides of 0 on the number line; recognize that the opposite of the opposite of a number is the number itself, e.g., $-(-3) = 3$, and that 0 is its own opposite. MAFS.6.NS.3.6b Understand signs of numbers in ordered pairs as indicating locations in quadrants of the coordinate plane; recognize that when two ordered pairs differ only by signs, the locations of the points are related by reflections across one or both axes. MAFS.6.NS.3.6c Find and position integers and other rational numbers on a horizontal or vertical number line diagram; find and position pairs of integers and other rational numbers on a coordinate plane.		
	Also Assesses:		
	MAFS.6.NS.3.8 Solve real-world and mathematical problems by all four quadrants of the coordinate plane. Include use of coordinate to find distances between points with the same first coord second coordinate.	nates and absolute	
Assessment Limits	Numbers in items must be rational numbers. Plotting of points in the coordinate plane should include some negative values (not just first quadrant). Numbers in $MAFS.6.NS.3.8$ must be positive or negative rational numbers. Do not use polygons/vertices for $MAFS.6.NS.3.8$. Do not exceed a 10×10 coordinate grid, though scales can vary.		
Calculator	No ,		
Item Types	Equation Editor GRID Matching Item Multiple Choice Multiselect		
Context	Allowable	_	
Sample Item		Item Type	
What is the opposit	te of -5?	Equation Editor	
What is the value of the x -coordinate that is 9 units to the left of $(5, -8)$?		Equation Editor	

Sample Item	Item Type
Use the Add Point tool to graph $(-2.5, 0.5)$ on the coordinate plane.	GRID
3 3 3 2 1 1 1 2 3 5 4 4 4 4 5 5 4 5 6 x	
A value x is shown on the number line.	GRID
Drag the point to the number line to show the location of $-x$.	GIIID
Cotton X	
-x	
A point (a, b) is shown on the coordinate grid. Drag the three points to their correct locations on the coordinate grid.	GRID
(a,b)	
(-a, b) (-a, -b) (a, -b)	

Sample Item	Item Type	
Point A is shown on the coordinat	te grid.	GRID
Use the Add Point tool to plot fou		
y A 10 9 8 7 6 5 4 4 5 7 4 4 5 7 4 4 5 7 4 6 6 6 6 7 8 7 8 7 8 8 8 8 8 8 8 8		
A map of a town is shown.	GRID	
Bank Bank Park Park The town wants to build a new like blocks away from the school. Use the Add Point tool to plot the		
Four values are shown. $-\frac{2}{4}$, 1.6, -2.25, $3\frac{3}{4}$ Drag each value to its correct location on the number line.	-4 -3 -2 -1 0 1 2 3 4	GRID
	$-\frac{2}{4}$ 1.6 -2.25 $3\frac{3}{4}$	

Sample Item	Item Type			
	Equation Editor			
The points $(4, -6)$ and $(9, -6)$ represent the location of two towns on a coordinate grid, where one unit is equal to one mile.				
What is the distance, in miles, between the two towns?				
(+)+)+)**(8)				
123				
789				