## **Geometry Lesson Plan**

		Week: 9/24 - 9/28	
Lesson & Learning Target	Math Nation Lesson: 1.4	Topic Name: Distance and Perimeter in the Coordinate Plane	
	Textbook: Chapter 6 Extension	Standard(s): MAFS.912.G-GPE.2.7	

Learning Activities	ESE/ESOL Strategies	
Review HW Answers Guided Notes Algebra Nation Independent Practice Worksheet Practice Small Group Practice Station Activity Game Remediate/Enrich AlgebraNation.com Workbook fill out Whiteboard Check for Understanding Other: Exit Ticket	Heterogenous Grouping Chunking of Content with Sticky Steps Graphic Organizers Color Coding Vocabulary Instruction: perimeter, distance, length Annotation Instruction Think Alouds Other:	

		Check for Understanding
Warm Up	<ol> <li>Ft. Lauderdale is located at (6,10) and Miami is located at (-8,-9). Jojo is driving from Ft. Lauderdale to Miami and needs to stop at a WaWa halfway between the two cities. Where is the WaWa located?</li> <li>Segment RS has midpoint F. R is located at (5,-4) and F is located at (-1,2). Where is S located?</li> </ol>	Ans: (-1, .5) Ans: (-7, 8)  Individual Whiteboard Responses
Direct Instruction	In Notes: Students will copy notes on each of the topics below as we progress towards distance on the coordinate plane (done on graph paper handout).  1. Distance Vocabulary (length, distance, how far, closer, farther) 2. Distance between 2 points on a number (absolute value theorem) 3. Pythagorean Theorem (off the coordinate plane) 4. Pythagorean triples 5. Distance on the Coordinate Plane 6. Pythagorean Theorem (on the coordinate plane) 7. Distance formula 8. Perimeter on the coordinate plane	Student Created Sample Problems Choral Response Individual Whiteboards Gestures
Guided Practice	<ul> <li>Student created examples for class solution</li> <li>Math Nation practice problems</li> <li>Mathbits Notebook Practice Section</li> </ul>	Pairs-share Choral Response Whiteboards
Independent Practice	<ul> <li>Math Nation "Beat the Test" problem</li> <li>Independent Practice Packet from Math Nation</li> </ul>	Teacher circulates

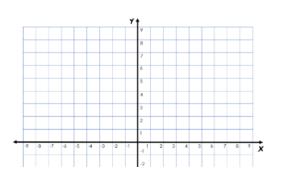
Assessment: Exit Ticket

Copy the diagram and work the problem out on the graph paper.

Refer to your notes for help.

Is RS  $\cong$  TM?

R (5, 9) <u>I (</u>-8, 6) S (-1, 2) M (-1, 0)



**Homework**: Complete Independent Practice Packet