

**Weekly Lesson Plans**  
**WIDA Content and Language Objectives**  
**Strong Middle School**

*Mr. Wilkie*  
**8th-Grade Math**

Jan. 25th-29th, 2016	Monday	Tuesday	Wednesday	Thursday	Friday
<b>Content Objective</b>	SW demonstrate knowledge of square roots and cube roots by practicing problems in their notebook.	Students will demonstrate application of cube roots by working through Problem 2.4 (Cube Roots)	Students will demonstrate analysis of the pythagorean theorem by squaring the sides of triangles (Problem 3.1)	Students will demonstrate application of the pythagorean them by practicing problems in math notebook.	Guest Teacher Today. Separate Lesson Plans will be left.  <b>Math Department Meeting.</b>
<b>Language Objective</b>	Students will write definition of square and cube roots in math notebook.	How is finding cube roots the same or different from square roots?-Focus Question.	Students will write and orally say definitions: acute, obtuse, hypotenuse, legs	Students will write and repeat summary sentence stem referring to Pythagorean Thm	
<b>Weekly Vocabulary</b>	Acute Obtuse, Right, Hypotenuse, legs, Distance, square root, cube root, line segments	Acute Obtuse, Right, Hypotenuse, legs, Distance, square root, cube root, line segments	Acute Obtuse, Right, Hypotenuse, legs, Distance, square root, cube root, line segments	Acute Obtuse, Right, Hypotenuse, legs, Distance, square root, cube root, line segments	
<b>CCS covered and Strand</b>	<a href="#">8.EE.A.2</a> Use square and cube root to represent solutions.	<a href="#">8.EE.A.2</a> Use square and cube root to represent solutions.	<a href="#">8.G.B.6</a> Explain a proof of Pythagorean Thm.	<a href="#">8.G.B.7</a> Apply the Pythagorean Thm.	

**Monday:** Square and Cube Roots **Tuesday:** Problem 2.4 (Cube Roots) **Wed:** Problem 3.1  
**Thurs:** Pythag. Thm. **Friday:** Guest Teacher