

Weekly Lesson Plans
WIDA Content and Language Objectives
Strong Middle School

Mr. Wilkie
8th-Grade Math

Feb 1st—5th, 2016	Monday	Tuesday	Wednesday	Thursday	Friday
Content Objective	Students will demonstrate application of square and cube roots by estimating and drawing on a number-line.	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.	SW demonstrate analysis of the pythagorean thm. to find distance between points on a coordinate grid. (Problem 3.3)	SW demonstrate analysis of Pythagorean Thm by completing real world story problem sung the 4-Step Problem solving strategy.
Language Objective	Students will write and speak closing sentence stems on square and cube roots.	Students will write and orally say definitions: acute, obtuse, hypotenuse, legs	Students will write and repeat summary sentence stem referring to Pythagorean Thm	Students will write and share answers to following focus question: How can you use the Pyth. Thm to find the distance between any 2 points on a coord. grid?	Collins Writing weigh specific FCAs.
Weekly Vocabulary	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	Acute Obtuse, Right, Hypotenuse, legs, Distance, square root, cube root, line segments
CCS covered and Strand	8.EE.A.2 Evaluate and estimate square and cube roots	8.G.B.6 Explain a proof of Pythagorean Thm.	8.G.B.7 Apply the Pythagorean Thm in a Coord. System	8.G.B.7 Apply the Pythagorean Thm in a Coord. System	8.G.B.7 Apply the Pythagorean Thm in a Coord. System

Monday: Estimating Sq. and Cube Roots **Tuesday:** Problem 3.1 (Pyth Thm) **Wed:** Problems (Pyth. Thm)
Thurs: Problem 3.3 **Friday:** 4-Step Pyth. Thm.