

Weekly Lesson Plans
WIDA Content and Language Objectives
Strong Middle School

Mr. Wilkie
8th-Grade Math

Jan. 11th-15th, 2016	Monday	Tuesday	Wednesday	Thursday	Friday
Content Objective	SW demonstrate analysis of Triangles and other irregular polygons by finding their areas with various strategies (Problem 1.3)	SW demonstrate analysis of squares by drawing squares on dot paper and finding their square roots (Problem 2.1).	SW demonstrate knowledge of square roots and cube roots by practicing problems in their notebook.	SW demonstrate application of squares and square roots by estimating and solving problems involving squares (Problem 2.2).	SW demonstrate application of side lengths of squares by drawing squares given one of the side lengths and finding the area (Problem 2.3).
Language Objective	SW orally share strategies for finding areas and summarize.	Students will orally complete a sentence stem on finding various squares	Students will write definition of square and cube roots in math notebook.	Students will orally complete a sentence stem on finding various squares	Students will do a Type 1 Writing on Focus Questions on Finding Lengths.
Weekly Vocabulary	Coordinates, Quadrants, Origin, Absolute Value, irrational numbers Distance, square root, cube root, line segments	Coordinates, Quadrants, Origin, Absolute Value, x and y axis, Distance, square root, cube root, line segments	Coordinates, Quadrants, Origin, Absolute Value, x and y axis, Distance, square root, cube root, line segments	Coordinates, Quadrants, Origin, Absolute Value, x and y axis, Distance, square root, cube root, line segments	Coordinates, Quadrants, Origin, Absolute Value, x and y axis, Distance, square root, cube root, line segments
CCS covered and Strand	8.G.B.8 Find distance between 2 pts in a coordinate system	8.NS.A.2 Use rational approximation of irrational numbers	8.EE.A.2 Use square and cube root to represent solutions.	8.NS.A.2 Use rational approximation of irrational numbers	8.NS.A.2 Use rational approximation of irrational numbers

Monday: Review 1.3/Labsheet 1 **Tuesday:** Problem 2.1 **Wed:** Cube and Square Roots **Thurs:** Problem 2.2
Friday: Problem 2.3