

Unit 9: Trigonometry

<p>Essential Vocabulary and Formulas: hypotenuse, leg, sine, cosine, tangent, angle of elevation, angle of depression, inverse trigonometry, 45-45-90 triangle, 30-60-90 triangle, SOH-CAH-TOA, Pythagorean theorem/converse</p>	<p>Unit Grades:</p> <p>Test (Targets 1-6): on Feb. 22th/Feb. 23th Quiz (Targets 7-8): on March 6th/7th</p> <p>Algebra Quiz: Feb. 26th</p>	<p>Target Rating Scale:</p> <p>3 – Perfection! 2 – Incorrect, but small mistakes 1 – Incorrect and shows major misunderstanding 0 – I cannot start or finish the problem <i>1 or 0 = seek help!</i></p>
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Target		Do I understand this target?			Homework Assignment
		HW	TC	Test	
1	I can simplify radicals.				Feb 5th: Target 1 worksheet
2	I can use the Pythagorean theorem and its converse.				Feb. 6th/7th: Section 9.1 #3-9 odds, 21-27 odds, 31, 33
3	I can determine the sine, cosine, and tangent ratios.				Feb. 8th/9th: Section 9.4 #3-10 Section 9.5 #3, 5, 7, 17, 19, 21, 24
4	I can solve a right triangle using trigonometry.				Feb. 12th/13th: Section 9.6 #3-6,13-18
5	I can use side ratios to find missing side lengths in special right triangles.				Feb. 14th/15th: Section 9.2 #3-10, 13-16 Section 9.5 #27-30, 34
6	I use trigonometry to solve situations involving angle of elevation and depression.				
7	I can solve a non-right triangle using the Law of Sines.				
8	I can solve a non-right triangle using the Law of Cosines.				