

Name: _____ Block: _____

UNIT 9 IXLS ALIGNED TO THE LEARNING TARGETS

IXL OPTIONAL QUIZ (MINOR ASSESSMENT) POLICY:

If you choose to do an IXL as a 9 point quiz grade, I will not give you credit for it unless you have followed the directions. You have until the end of the unit to turn this in. Please turn it in as you do them to avoid a large work load for me at the end of the unit. ☺

1. Print out this paper and record your score on the table below. For each IXL, you must have detailed work for at least 10 problems in order for the quiz grade to count.

Learning Target	IXL	Score
Target 1: I can use trigonometric ratios and their inverses to find unknown lengths of sides or angles measures of a right triangle (To include 30-60-90, 45-45-90, and the Pythagorean Theorem).	A2: Y.1 Pythagorean Theorem and its Converse A2: Y.2 Special Right Triangles A2: Y.3 Trigonometric ratios: sin, cos, and tan A2: Y.4 Trigonometric ratios csc, sec, and cot A2: Y.16 Solve a right triangle	
Target 2: I can find an unknown side or angle of any triangle using the Law of Sines and/or the Law of Cosines.	A2: Y.17 Law of Sines A2: Y.18 Law of Cosines A2: Y.19 Solve a Triangle	
Target 3: I can state an angle measure in radians and degrees and find the least positive coterminal angle of any angle in radians or degrees. I can quickly fill in ALL parts of the unit circle using the patterns!	PC: M.1 Convert between radians and degrees PC: M.3 Quadrants PC: M.4 Coterminal and reference angles	
Target 4: I can <u>use</u> the trigonometric ratios to <u>evaluate</u> angles on the unit circle in degrees and radians without a calculator. I can evaluate inverse trigonometric functions.	A2: Y.7 Sin, cos, and tan of special angles A2: Y.8 Csc, sec, and cot of special angles A2: Y.10 Inverses of sin, cos, and tan A2: Y.11 Inverses of csc, sec, and cot	
Target 5: I can <u>graph</u> periodic functions (sine, cosine, & tangent) by applying the transformations (a, b, k, & h) to its parent function, and state the domain, range, amplitude, period, baseline, and phase shift.	A2: Z.1 Find properties of sine functions A2: Z.2 Write equations of sine functions from graphs A2: Z.9 Graph sine and cosine functions A2: Z.4 Graph sine functions A2: Z.5 Find properties of cosine functions A2: Z.6 Write equations of cosine functions from graphs A2: Z.8 Graph cosine functions	
Target 6: I can algebraically <u>verify</u> that a trigonometric expression or identity is valid.	A2: AA.3 Trigonometric identities I A2: AA.4 Trigonometric identities II	
Target 7: I can apply problem solving techniques learned all year to <u>solve</u> trigonometric equations.	A2: Y.12 Solve trigonometric equations I A2: Y.13 Solve trigonometric equations II	