

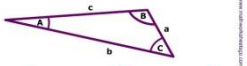
Unit 7 Outline—Law of sines & cosines and Graphing trigonometric functions

Name _____ Date _____ Period _____

Learning Target	Assessment	M.L. 4	M.L. 3	M.L. 2	M.L. 1
1. I can use the Law of Sines to solve triangles.	7.1, 7.2, 7.3, quizzes, reviews activities, test				
2. I can use the Law of Cosines to solve triangles.	7.2, 7.3, quizzes, reviews activities, test				
3. I can use the Law of Sines and Cosines to solve real world problems.	7.1, 7.2, 7.3, quizzes, reviews activities, test				
4. I can find the area of any triangle.	7.2, 7.3, quizzes, reviews activities, test				
5. I can graph the six trig. functions and find the transformations (amplitude, frequency, period, phase shifts, stretches & shrinks).	7.4, 7.5, 7.6, quizzes, reviews activities, test				
6. I can use graphing of trig. functions to solve real world problems.	7.4, 7.5, 7.6, quizzes, reviews activities, test				

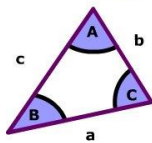
Mastery Level 4 = I've got this - I can teach this to others. **Mastery Level 3** = I understand - I can do this by myself. **Mastery Level 2** = I mostly get it - I can do this with help. **Mastery Level 1** = I don't understand - I cannot do this yet.

$$\frac{\sin(A)}{a} = \frac{\sin(B)}{b} = \frac{\sin(C)}{c}$$



$$\frac{a}{\sin(A)} = \frac{b}{\sin(B)} = \frac{c}{\sin(C)}$$

Law of Cosines



$$a^2 = b^2 + c^2 - 2bc \cdot \cos(A)$$

$$b^2 = a^2 + c^2 - 2ac \cdot \cos(B)$$

$$c^2 = a^2 + b^2 - 2ab \cdot \cos(c)$$