CW#	Name:					
	Period:	A1	A2	A3	B1	В3
7.2.2 Is there a better way?					S	
Law of Sines				C	+ 1	
n problem 7-53, you used a complicated strat non-right triangle. Is there a tool you can use t non-right triangles in fewer steps? Today, you angles of triangles and will develop a new tool	egy to calculate the side to directly calculate the a will explore the relations called the Law of Sines.	lengths ar ngle meas hips that	nd angle sures an exist arr	measur d side le nong the	es of a ngths of sides and	d
#63.						
Is there a relationship between a triangle's sid Based on the angle measures provided in the longest? Which side must be shortest? How	le and the angle opposite diagram, which side mus do you know?	e to it? t be	A	105°	63° C	
#64. When Madelyn examined the triangle at right diagram is drawn to scale because I think the than 4 cm."	, she says, "I don't think t side labeled x has to be la	this onger	x 26°		4 cm 42°	
a. Do you agree with Madelyn? Why or why not?	b. Leila thinks that x can be determined by using right triangles. Review what you learned in Lesson 7.2.1 by calculating the value of x.					





c. Describe where $\angle B$ is located in relation to the side labeled b. How is $\angle A$ related to the side

EXTRA PRACTICE:

1. Write the equation of an exponential function of the form $y = ab^{x} + k$ that passes through (-1,-0.2) and (4,2499) and has an asymptote at y = -1.