Name: _

Period:	
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Law of Sines

Use the Law of Sines to solve the triangle (find all three angle measures and all three side lengths).

1.	
Angles	Sides
A =	<i>a</i> =
B =	<i>b</i> =
<i>C</i> =	<i>c</i> =



2.			
Angles	Sides		~
A =	<i>a</i> =	a 10.	5
<i>B</i> =	<i>b</i> =		
<i>C</i> =	<i>c</i> =	$B \xrightarrow{40^{\circ}} B$	0

3. Angles Sides С - B A-25° 35° A =a =a = 3.5B =*b* = bC =c =Ĉ

4.AnglesSidesA =a =B =b =C =c =



5. A = 35° , a = 4, b = 5

Angles	Sides		Angles	Sides
A =	<i>a</i> =	and	A =	<i>a</i> =
<i>B</i> =	<i>b</i> =	possibly	B =	<i>b</i> =
<i>C</i> =	<i>c</i> =		<i>C</i> =	<i>c</i> =

6. $C = 35^{\circ}, a = 5, c = 7$

Angles	Sides		Angles	Sides
A =	<i>a</i> =	and possibly	<i>A</i> =	<i>a</i> =
<i>B</i> =	<i>b</i> =		B =	<i>b</i> =
<i>C</i> =	<i>c</i> =		<i>C</i> =	<i>c</i> =

7. A = 10°, *a* = 12, *b* = 15

Angles	Sides	and possibly	Angles	Sides
A =	<i>a</i> =		<i>A</i> =	<i>a</i> =
<i>B</i> =	<i>b</i> =		B =	<i>b</i> =
<i>C</i> =	<i>c</i> =		<i>C</i> =	<i>c</i> =

8. B = 10°, a = 5, b = 12

Angles	Sides		Angles	Sides
A =	<i>a</i> =	and	A =	<i>a</i> =
<i>B</i> =	<i>b</i> =	possibly	<i>B</i> =	<i>b</i> =
<i>C</i> =	<i>c</i> =		<i>C</i> =	<i>c</i> =