

Name: _____

Date: _____

13.5 The Law of Sines GUIDED NOTES

THE LAW OF SINES

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

*A, B, C represent angles and a, b, c represent sides

To solve a triangle when given two (2) angles and one side:

1)

A = 23, B = 57, a = 12 in.

2)

A = 41, C = 77, a = 10.5 ft

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THE LAW OF SINES

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

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To solve a triangle when given two (2) sides and one angle:

3)

A = 75, a = 4 in., c = 2 in.

4)

C = 100, b = 7 in., c = 9 in.