## Trigonometry: The Law of Sines

The LAW OF SINES is a powerful triangle tool which is used to find missing sides or angles of ANY triangle. By matching up angles with their opposite sides, the equation is:  $\frac{\sin A}{a} = \frac{\sin B}{b} = \frac{\sin C}{c}$ 



This worksheet was adapted from http://www.bgsd.k12.wa.us/riv/homework/Geometry/LawOfSines.doc

## The LAW OF SINES can also be used to find missing angles.



10) Find the area of circle C by using the Law of Sines to find the radius. Hint: What kind of triangle is ABC?



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