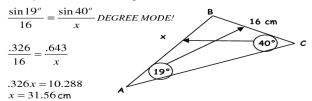
Trigonometry: The Law of Sines

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:

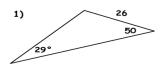
$$\frac{\sin A}{a} = \frac{\sin B}{b} = \frac{\sin C}{c}$$

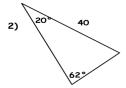
Example: Find the missing side x:

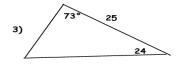
How about finding the other unknowns?

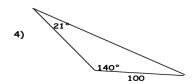


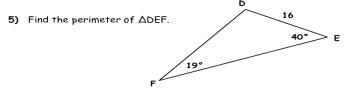
Solve each triangle:











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