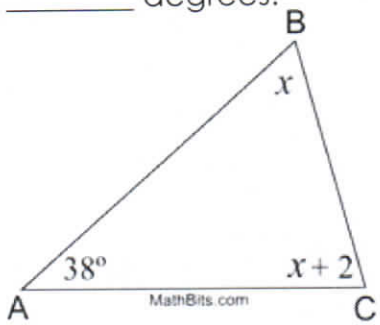
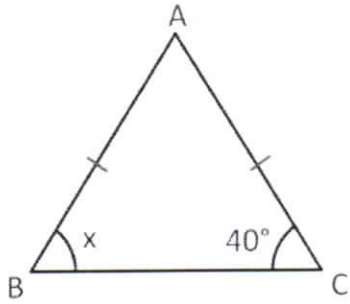
Triangles, Angles in Triangles, Exterior Angle Theorem

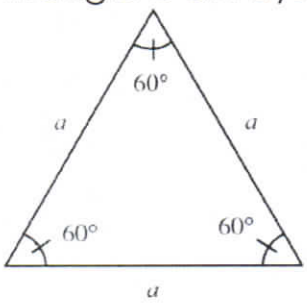
Triangle Sum the three angles in a triangle add up to _____ degrees.



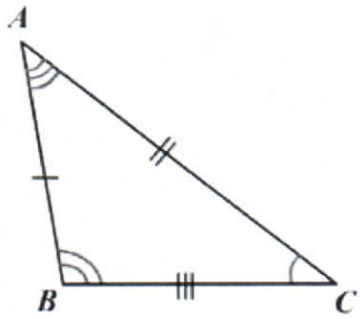
Isosceles a triangle with two _____ sides and two _____ base angles.



Equilateral a triangle with all congruent sides AND all congruent angles. Each angle in an equilateral triangle is always _____ degrees.



Scalene A triangle with no _____ sides and no _____ angles.

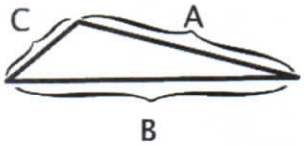


The smallest angle is always opposite the shortest side. The largest angle is always opposite the shortest side.

Triangle Inequality Theorem

The sum of any two sides of a triangle must be greater than the third side.

The Triangle Inequality Theorem



$A + B > C$

$B + C > A$

$A + C > B$

If two sides of a triangle are 4 and 7, then the third side must be_____

_____

Can a triangle have sides 2, 5, and 6?

Exterior Angle Theorem

100 = 40 + 60