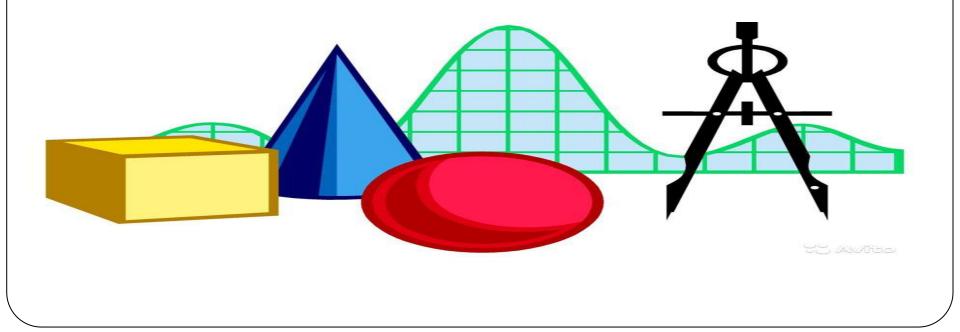




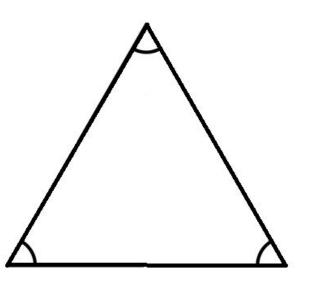
An explanation of the new concepts for childrens.

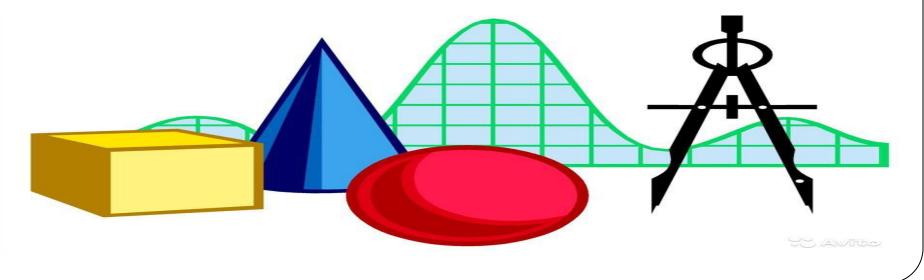


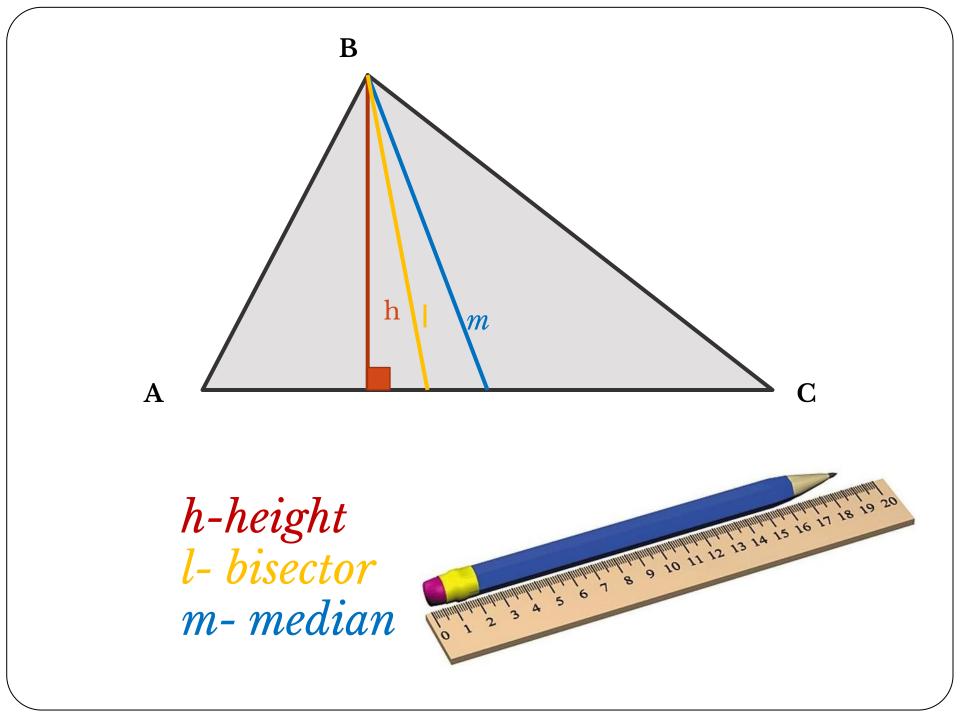
Definition

A triangle is a polygon with exactly three sides

Because it is a polygon, it follows that it also has three vertices and three angles.

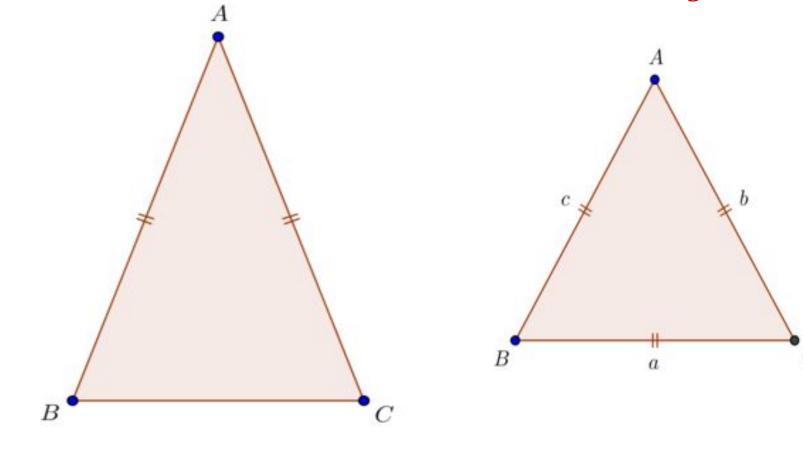




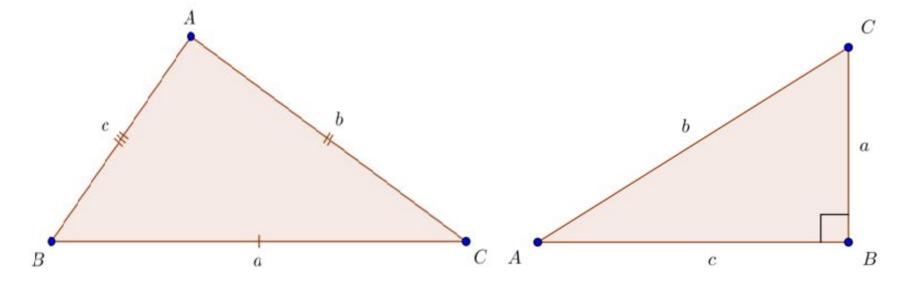


Types of Triangle

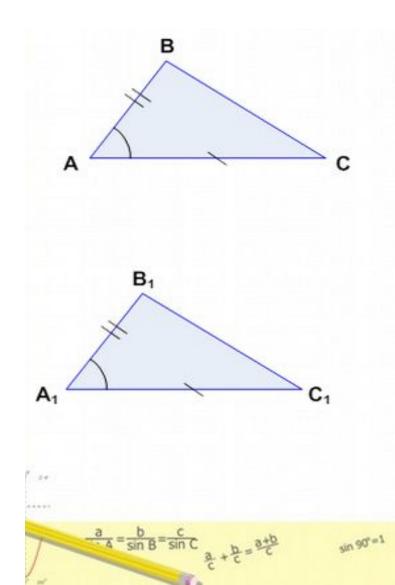
An isosceles triangle is a triangle in which two sides are the same length. An equilateral triangle is a triangle in which all three sides are the same length:



A scalene triangle is a triangle in which all three sides are of different lengths. A right-angled triangle is a triangle in which one of the vertices is a right angle.



If 2 sides and the angle between them of the same triangle are accordingly equal to 2 sides and the angle between them of the other triangle, then these triangles are equal.



Given: AB is equal to A1B1 AC is equal to A1C1 The angle A is equal to the angle A1 To be to prove that: The triangle ABC is equal to the triangle A1B1C1

(x+y)(x-y)= x'-

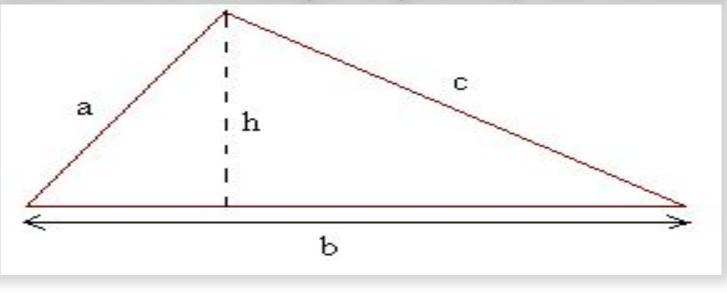
The perimeter is the distance around a closed plane figure.

The perimeter, P, of a triangle is given by the formula Area = <u>bh</u>

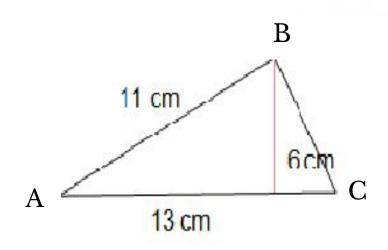
 $\mathbf{P} = \mathbf{a} + \mathbf{b} + \mathbf{c}$

where a, b and c are the side lengths of the triangle.

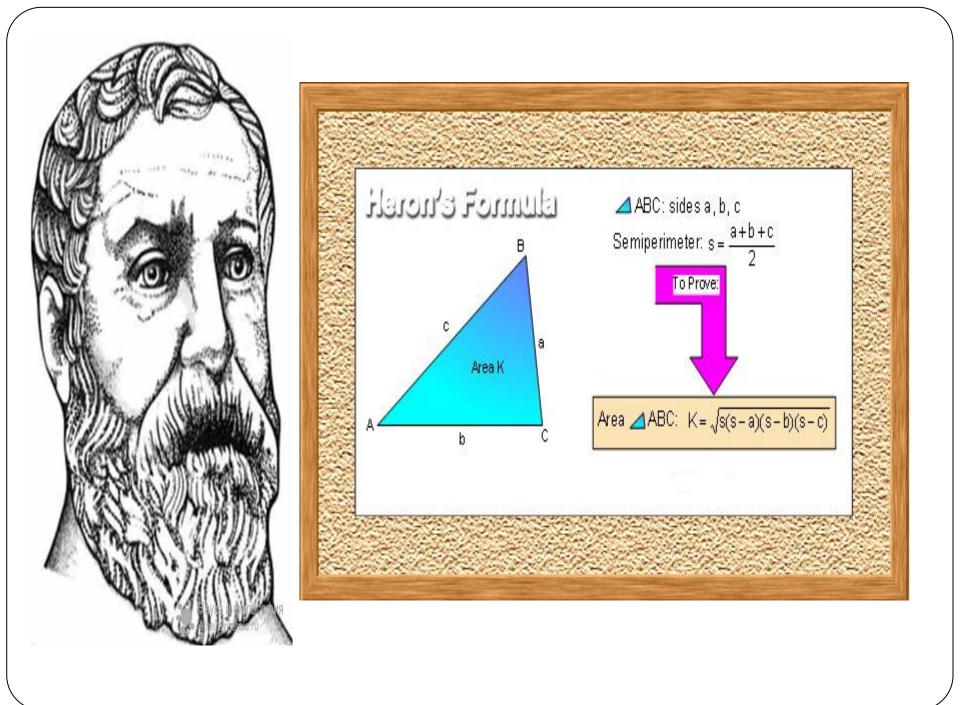
The area of s triangle is given by the formula

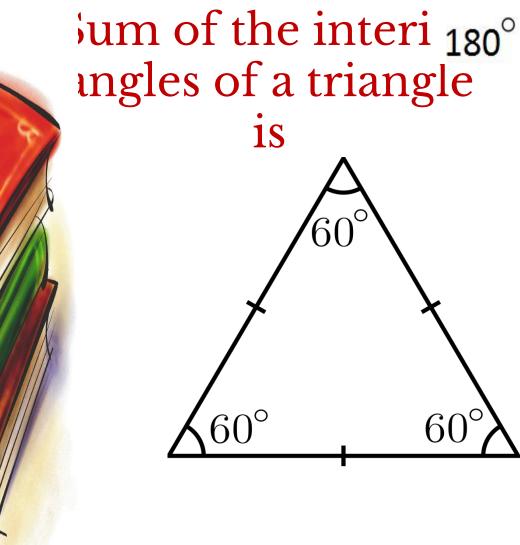


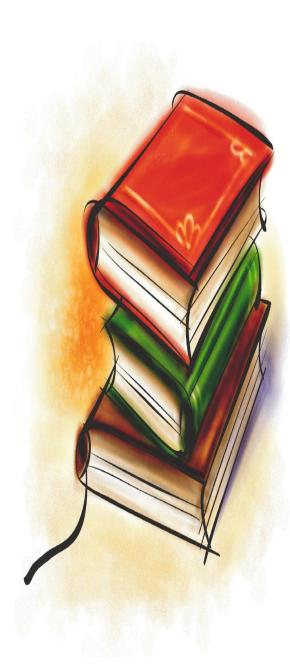
Find the area of



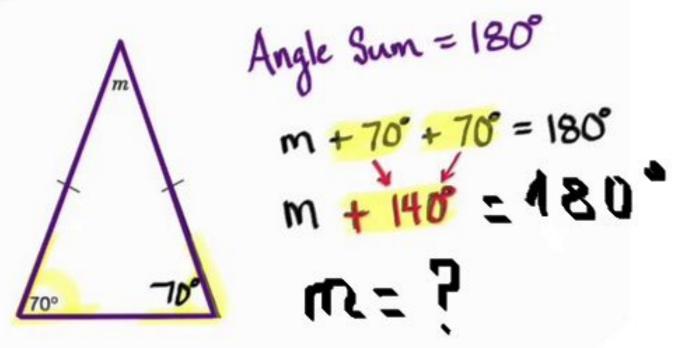
Area = $\frac{1}{2}$ (bh) Area = $\frac{1}{2}$ (13cm •6cm) Area = $\frac{1}{2}$ (78 cm²) Area = 39 cm²



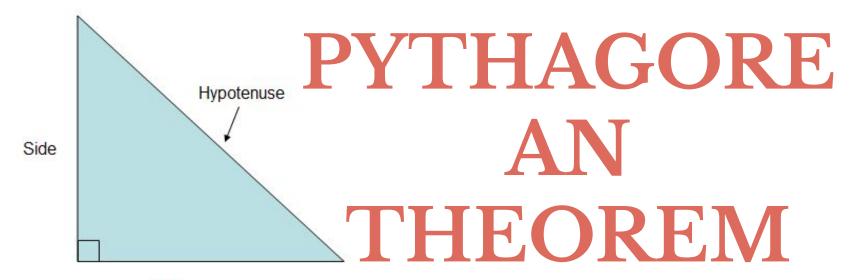




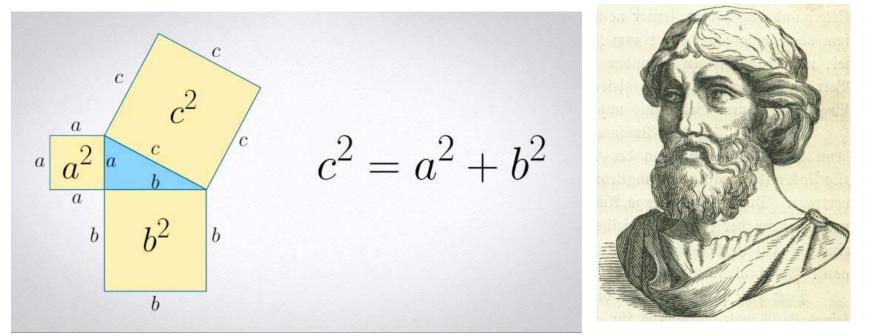
The figure below shows an isosceles triangle.



What is the value of *m*?



Side



Find the length of the triangle below

