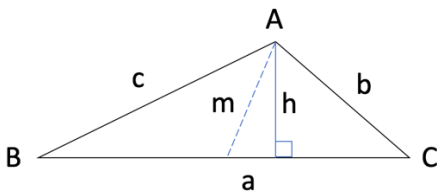


Triangles are 3-sided polygons.



A, **B**, and **C** are the 3 corner angles of the triangle. You can express them in degrees or radians. Angles must be positive and the sum of all 3 must equal 180 degrees.

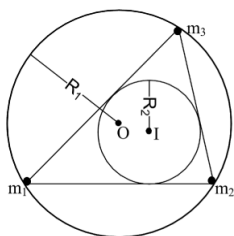
a, **b**, **c** are the lengths of 3 sides of the triangle.

Circumference is the distance around the outside of the triangle, $a + b + c$.

Area is the area inside the triangle.

Height (marked h in the diagram) is the height from side a to corner A .

Median (marked m in the diagram) is the distance from the middle of side a to corner A .



Inradius (R_2 above) is the radius of the circle that fits inside the triangle and just touches each of the 3 sides.

Circumradius (R_1 above) is the radius of the circle that runs through all three corners of the triangle.