

Triangle Theorems

Knowing the following triangle information leads to circle theorems.

Triangle Sum Theorem

The sum of the interior angles of triangle is 180°

Exterior Angle of a Triangle

The exterior angle of a triangle is the sum of the two remote interior angles

AA Postulate

If two angles of one triangle are congruent to two angles of another triangle, the triangles are similar.

Similar Triangles

If two triangles are similar then their corresponding angles are congruent and corresponding sides are in equal proportion.