

Def. Triangle

A 3-sided polygon

The symbol for triangle is \triangle

**To name a \triangle ,
use the symbol for \triangle followed by the 3 vertices.**

Classifying Δ 's by angles

Acute Δ - All 3 \angle 's of the Δ are acute \angle 's

Obtuse Δ - Exactly 1 \angle of the Δ is obtuse, the other 2 \angle 's are acute.

Right Δ - Exactly 1 \angle of the Δ is right, the other 2 \angle 's are acute.

Equiangular Δ - An acute Δ where all the \angle 's are \cong .

Classifying Δ 's by sides

Scalene Δ - A Δ where the 3 side lengths are all different measurements.

Isosceles Δ - A Δ where at least 2 side lengths are the same measurement.

Equilateral Δ - A Δ where all 3 side lengths are the same measurement.