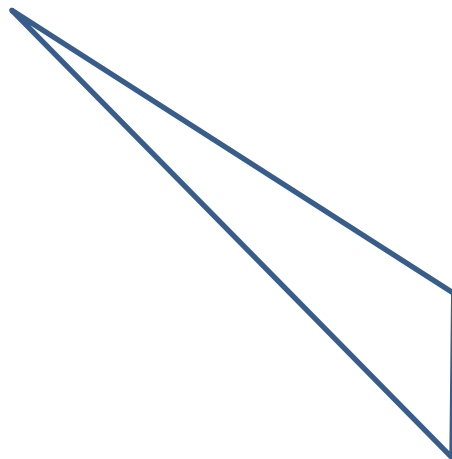
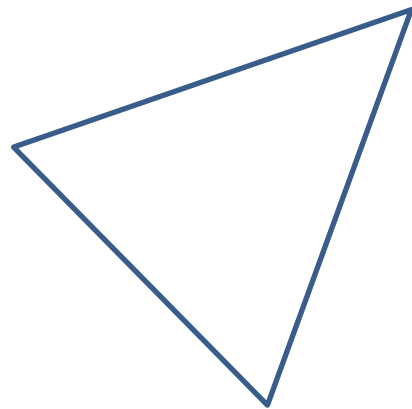
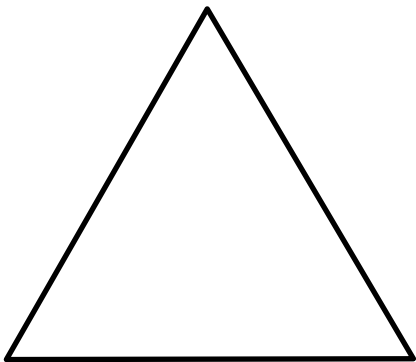


Triangles

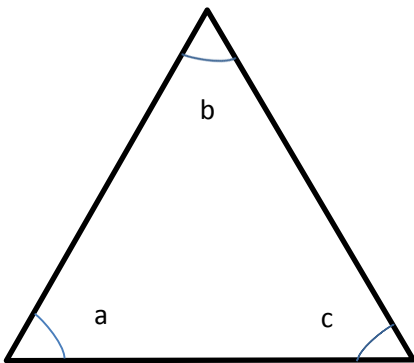
A triangle is a closed figure consisting of three sides.

Examples of Triangles



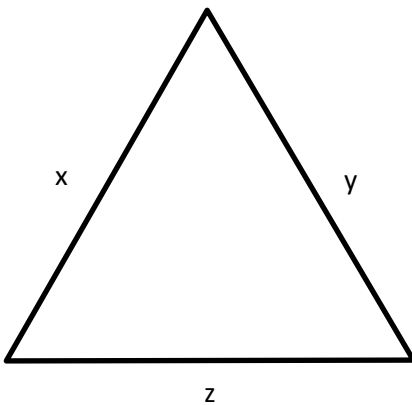
Properties of Triangles

The three angles of a triangle add up to 180 degrees.



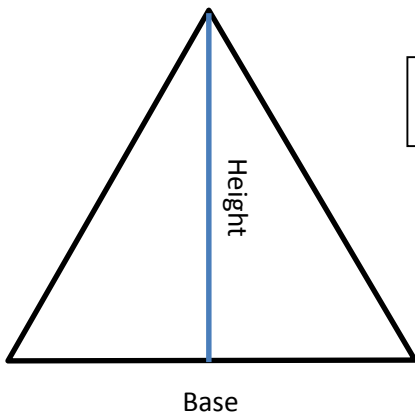
$$a + b + c = 180 \text{ degrees}$$

Perimeter of Triangle = Sum of the lengths of all three sides



$$\text{Perimeter} = x + y + z$$

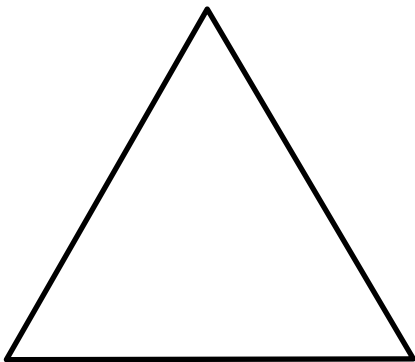
Area of a Triangle = $\frac{1}{2}$ * base * height



Area = $\frac{1}{2}$ * Base * Height

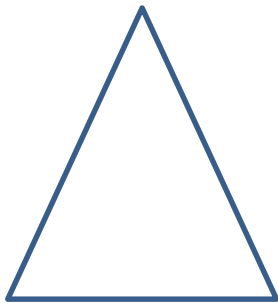
Three Types of Triangles

Equilateral Triangle



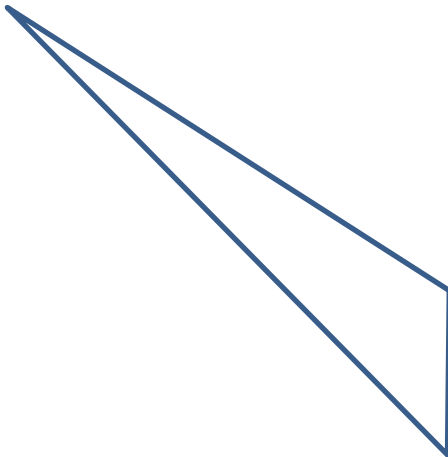
All three sides are equal
All three angles are equal (60 degrees each)

Isoceles Triangle



Two sides are equal
Two angles are equal

Scalene Triangle



None of the sides are equal
None of the angles are equal