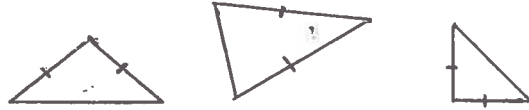# Isosceles Triangle

Definition: An <u>isosceles triangle</u> is a triangle where at least two of its sides are equal. (Often, the third side is called the "base.")

Etymology: *isos* (equal) and *skelos* (leg)

Properties:
- At least two sides are equal
- Angles opposite to equal sides are equal
- Has exactly 1 line of symmetry, except in the special case of an equilateral triangle which has 3.
- The altitude to the base:
  - is the perpendicular bisector of the base
  - is a line of symmetry