

Triangle classification

Classification based on angles

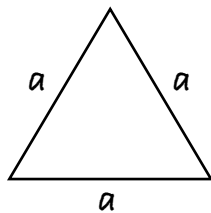
Classification based on sides

acute:
all angles are acute, i.e., less than 90 degrees

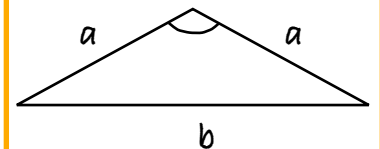
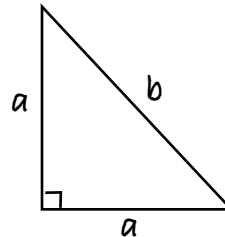
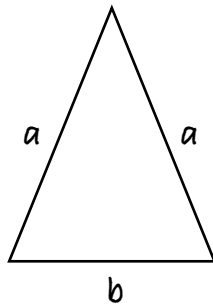
right:
has a right angle, i.e., 90 degrees

obtuse:
has an obtuse angle, i.e., more than 90 degrees

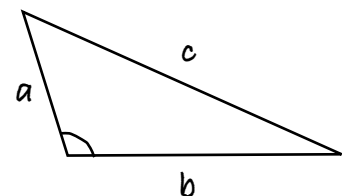
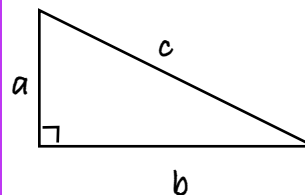
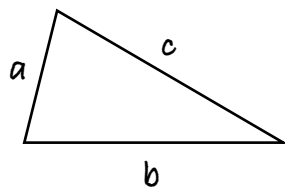
equilateral
3 sides of equal length



isosceles
at least 2 sides of equal length



scalene
all sides of different lengths



Note: An isosceles triangle has 2 sides of equal length. However, one definition states it as ‘**at least** 2 sides of equal length’, as above, in which case an equilateral triangle is also isosceles, while another definition states it as ‘**exactly** 2 sides of equal length, in which case an equilateral triangle is not isosceles.