

Section 4.1 Classifying Triangles

Obj: Identify parts of a triangle and classify the triangle.

Triangle

- Polygon
- 3-sided
- Sides must meet at vertices
- all 3 angles added together equal 180°

Classify with sides

Scalene - no sides are equal

isosceles - two sides are equal

equilateral - all sides are equal

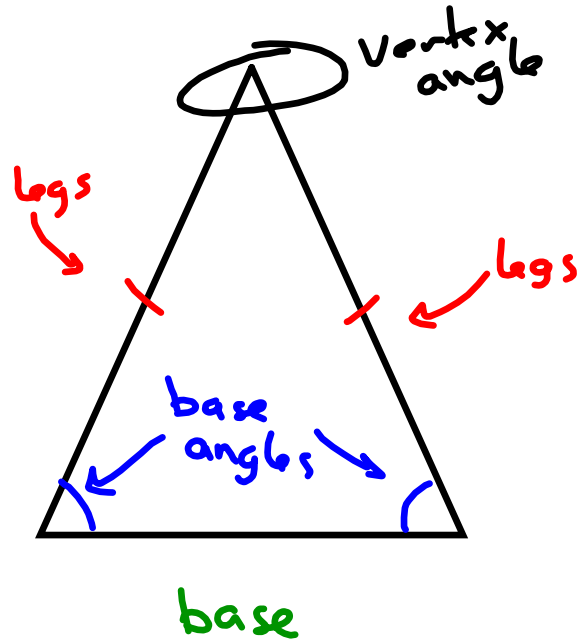
Classify with angles

Acute - all angles are less than 90°

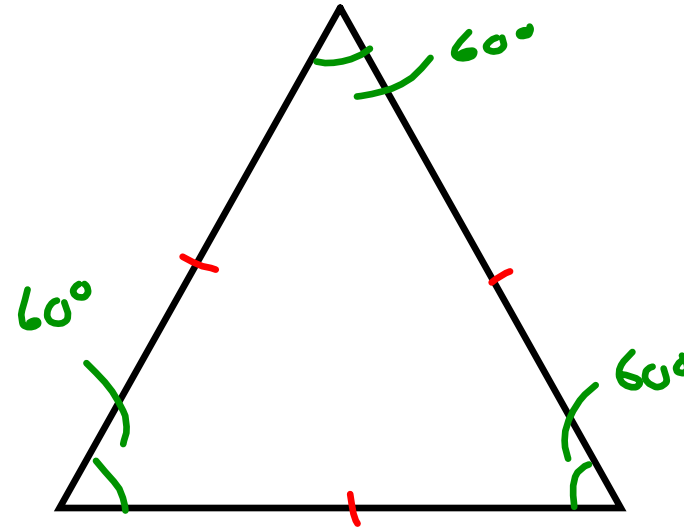
Right - one angle is 90°

Obtuse - one angle is greater than 90°

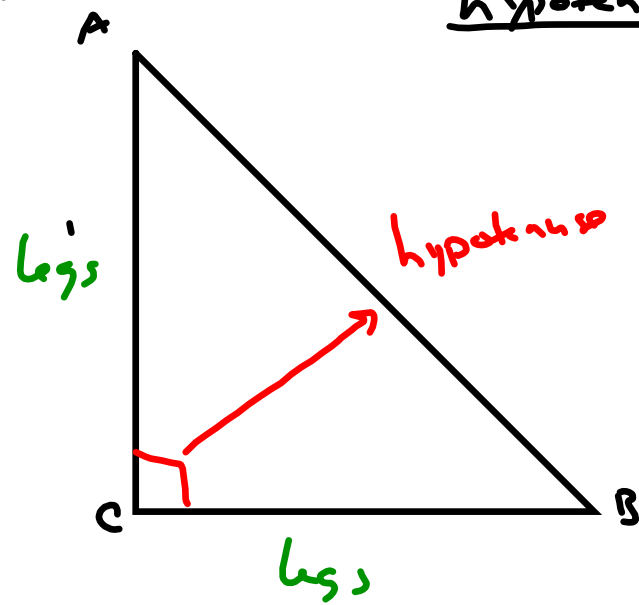
Isosceles Triangles



Equilateral Triangle



Right Triangle



hypotenuse - longest side of a triangle
- opposite my largest angle.

$\triangle ABC$

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1-5 all

20-32 all

44, 54