



10-2 Classifying Triangles

I can classify a triangle using the correct vocabulary

Vocabulary

acute: Less than 90° 

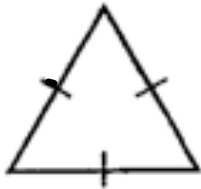
obtuse: Bigger than 90° 

right: 90° 

A triangle is classified by its sides and by its angles.

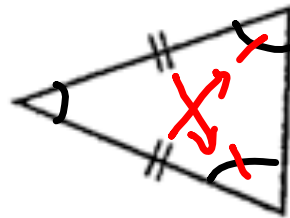
Classification by Sides

Equilateral Triangle



3 congruent sides

Isosceles Triangle



At least 2 congruent sides

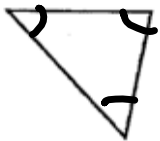
Scalene Triangle



No congruent sides

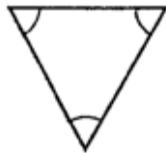
Classification by Angles

Acute Triangle



3 acute angles

Equiangular Triangle



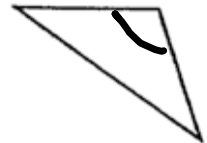
3 congruent angles

Right Triangle



1 right angle

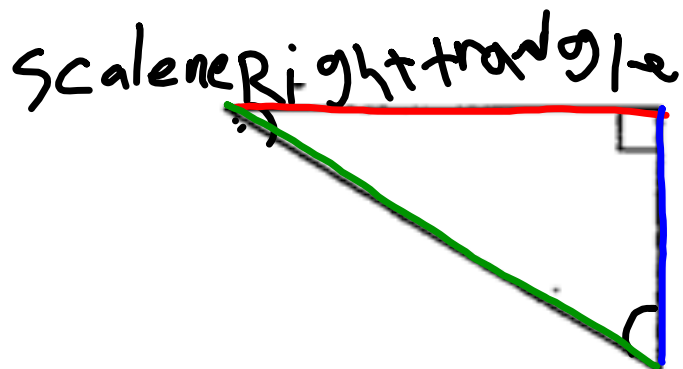
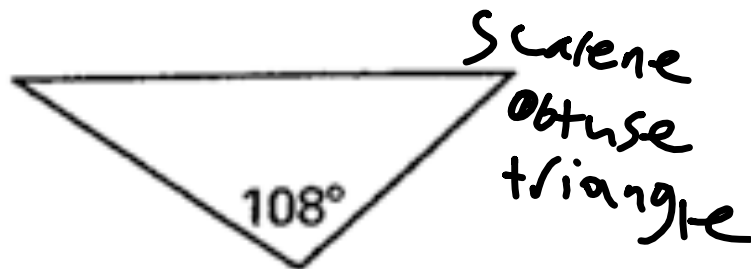
Obtuse Triangle



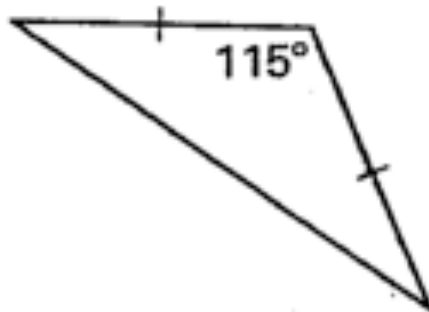
1 obtuse angle

Note: An equiangular triangle is also acute, but it is more specific to call it equiangular.

Classify the triangle by its angles and by its sides.



Classify the triangle by its angles and by its sides.



~~I.e~~
~~scalene~~
obtuse
triangle



I
right angle
+ is angle

Classify the triangle by its angles and by its sides.

Equilateral
acute triangle

