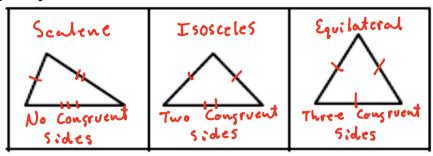
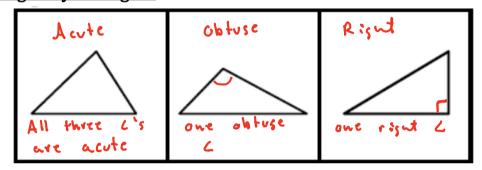
Name: Key
Date:

Triangle: a polyson w/ three sides

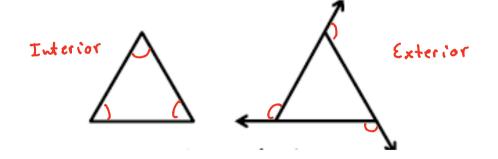
Classifying Triangles by its Sides:



Classifying Triangles by its Angles:

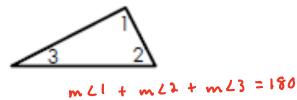


Equiangular Triangle: a triangle w/ Mree congruent angles

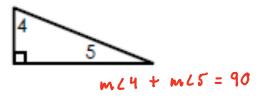


Triangle Sum Theorem:

the sum of the measures of the interior angles of a triangle is 180°

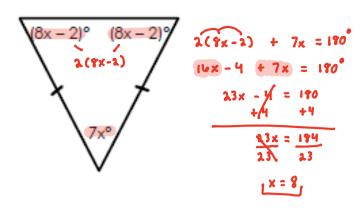


Corollary to the Triangle Sum Theorem:

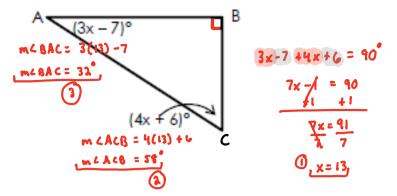


Examples:

Find the value of x



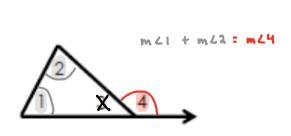
Find the m<ACB and m<BAC

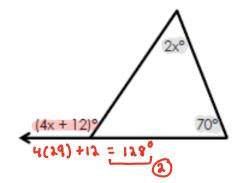


Exterior Angle Theorem:

Example:

Find the measure of the exterior angle shown





$$2x + 70 = 4x + 12$$

$$-2x$$

$$-2x$$

$$70 = 2x + 12$$

$$-12$$

$$-12$$

$$59 = 2x$$

$$2$$

$$2$$

$$1$$

$$x = 29$$