



Triangles



- Goals:
- *Classify triangles by angles
 - *Classify triangles by sides
 - *Use knowledge of angle sums in triangles to find the measure of missing angles.
-

Classify Triangles by Angles:

1) _____ triangle: has _____ angles

2) _____ triangle: has _____ angle

& _____ angles

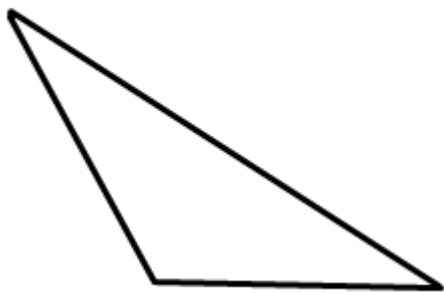
3) _____ triangle: has _____ angle

& _____ angles

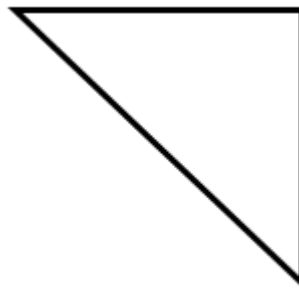
****ALL triangles have at least _____ angles!****

Classify the following triangles by their angles:

Ex:



Ex:



Ex:



Classify Triangles by Sides:

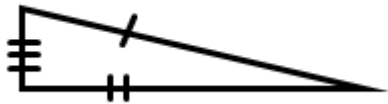
1) _____ triangle: has _____ sides

2) _____ triangle: has _____ sides

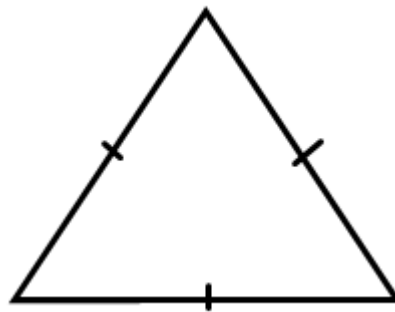
3) _____ triangle: has _____ sides

Classify the following triangles by their sides:

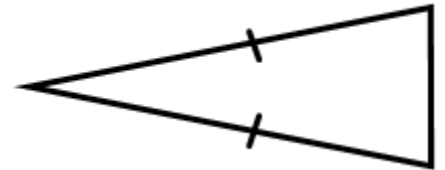
Ex:



Ex:



Ex:



Triangles: Side - Angle Relationships:

**The number of _____ equal in any triangle is also the number of _____ that are equal

Ex: An isosceles triangle has _____ equal sides, so it also has _____

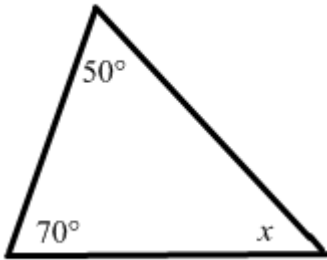
Angles.

*How many equivalent angles does an equilateral triangle have? Scalene?

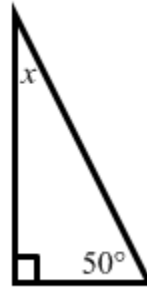
**The _____ of all three angles in any triangle is _____. You can use this fact to find missing angles.

Find the missing angle or angles:

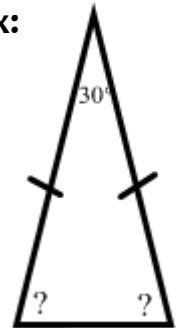
Ex:



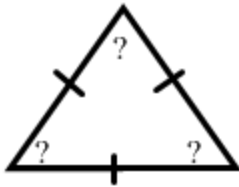
Ex:



Ex:



Ex:



Ex:

