

TRIANGLES

NAME:

Triangles can be categorized by their *sides* or by their *angles*.
There are three types of each.

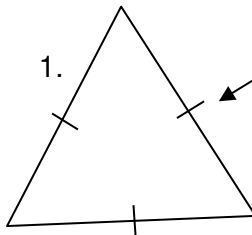
Sides:

1. Scalene Triangle - All the sides are different lengths.
2. Isosceles Triangle - Two sides are the same length.
3. Equilateral Triangle - All sides are equal in length.

Angles:

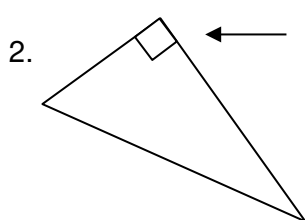
1. Acute Triangle - All angles are less than 90 degrees.
2. Obtuse Triangle - One angle is greater than 90 degrees.
3. Right Triangle - One angle is equal to 90 degrees.

Write the names of each triangle. One name for the sides and one for the angles.



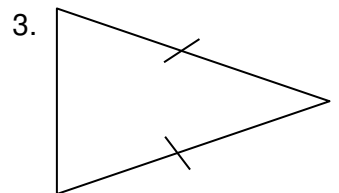
The tick marks mean that the sides are equal, which also means the angles are equal.

Equilateral Triangle
Acute Triangle



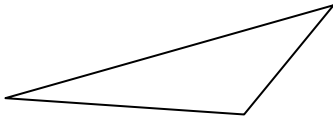
A square means the angle is a right angle and equals 90 degrees.

Scalene Triangle
Right Triangle



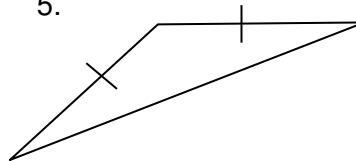
Isosceles Triangle
Acute Triangle

4.



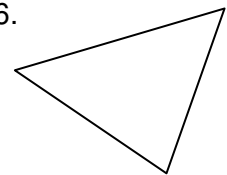
Scalene Triangle
Obtuse Triangle

5.



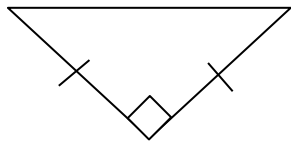
Isosceles Triangle
Obtuse Triangle

6.



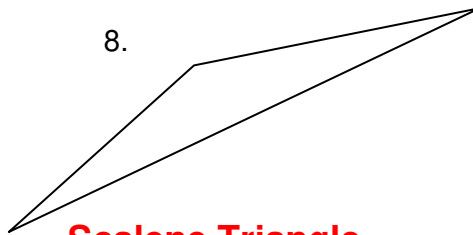
Scalene Triangle
Acute Triangle

7.



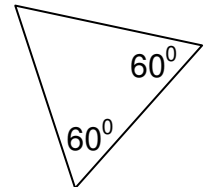
Isosceles Triangle
Right Triangle

8.



Scalene Triangle
Obtuse Triangle

9.



Equilateral Triangle
Acute Triangle

10. Why can a triangle only have one right angle?

A triangle's angles equal 180

degrees and there are three angles, so two angles can not equal 90 degrees.

11. On the back of this paper draw each of the six triangles.

Various answers

Label each triangle to show why it is that particular type of triangle.