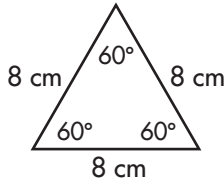


Triangles

You can classify triangles by the lengths of their sides and the sizes of their angles.

acute
all angles less than 90°



equilateral
all sides the same length

This triangle is both equilateral and acute.

Not all acute triangles are equilateral.

right
one right angle

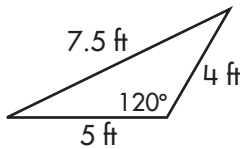


isosceles
two sides the same length

This triangle is both isosceles and right.

Not all right triangles are isosceles.

obtuse
one obtuse angle



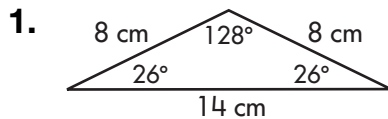
scalene
no sides the same length

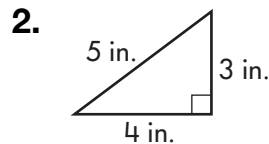
This triangle is both scalene and obtuse.

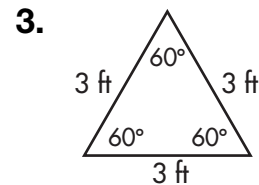
Not all obtuse triangles are scalene.

Remember that the sum of the measures of the angles of a triangle is 180° .

Classify each triangle by its sides and then by its angles.







Classify the following triangles based on the angles given.

4. $40^\circ, 100^\circ, 40^\circ$ _____
5. $14^\circ, 98^\circ, 68^\circ$ _____
6. $38^\circ, 38^\circ, 104^\circ$ _____