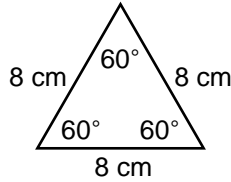


Classifying Triangles

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

acute
all angles
less than 90°

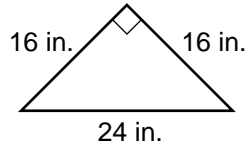


equilateral
all sides the same
length

This triangle is both
equilateral and acute.

Not all acute triangles
are equilateral.

right
one right
angle

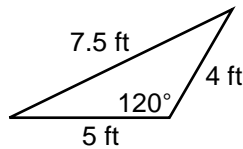


isosceles
two sides the same
length

This triangle is both
isosceles and right.

Not all right triangles
are isosceles.

obtuse
one obtuse
angle



scalene
no sides the same
length

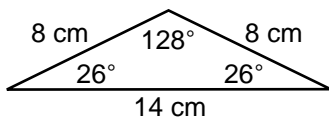
This triangle is both
scalene and obtuse.

Not all obtuse
triangles are scalene.

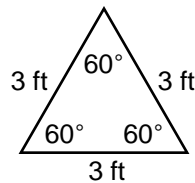
Remember that the sum of the measures of the angles of a triangle is 180° .

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

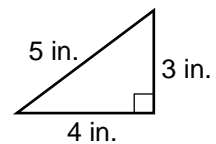
1.



2.



3.



The measures of two angles of a triangle are given. Find the measure of the third angle.

4. $40^\circ, 100^\circ, \underline{\hspace{2cm}}$

5. $14^\circ, 98^\circ, \underline{\hspace{2cm}}$

6. $38^\circ, 38^\circ, \underline{\hspace{2cm}}$