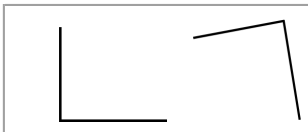
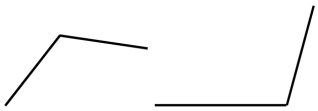
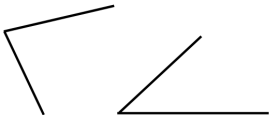
Triangles



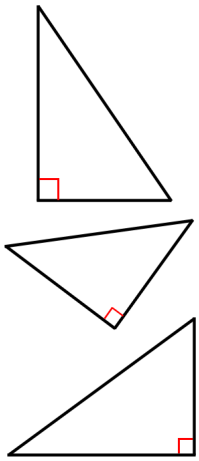
right angles
(exactly 90°)



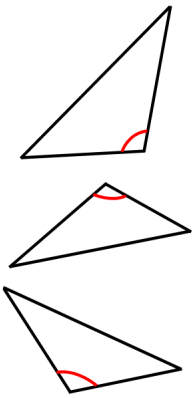
obtuse angles
(more than 90°, less than 180°)



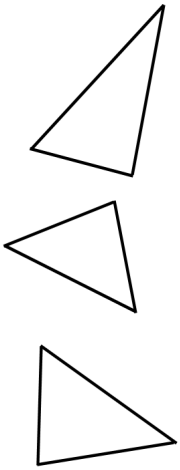
acute angles
(less than 90°)



Right triangles have exactly one right angle.



Obtuse triangles have exactly one obtuse angle.



Acute triangles have three acute angles. In other words, ALL the angles are acute.

1. **a.** Draw a right *angle*. Then make it into a right *triangle* by drawing in the third side.

   b. Draw another, different right triangle.

   c. A right triangle has one right angle. Are the other two angles in a right triangle acute, right, or obtuse?

A right triangle has one right angle. The other two angles are _____.

Sample worksheet from
www.mathmammoth.com

2. **a.** Draw an obtuse angle. Then make it into an obtuse triangle by drawing in the third side.

b. Draw another, different obtuse triangle.

c. An obtuse triangle has one obtuse angle. Are the other two angles in a obtuse triangle acute, right, or obtuse?

An obtuse triangle has one obtuse angle. The other two angles are _____.

3. **a.** Draw an acute triangle. The side lengths can be any.

b. Measure its angles.

They measure _____°,

_____°, and _____°.

4. Observe all you have done thus far in this lesson, and fill in.

Right triangles have exactly 1 _____ _____,

and the other two angles are _____ .

Obtuse triangles have exactly 1 _____ _____,

and the other two angles are _____ .

Acute triangles have ___ _____ angles.

Sample worksheet from
www.mathmammoth.com