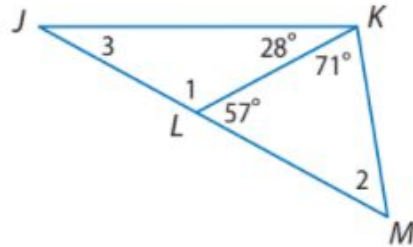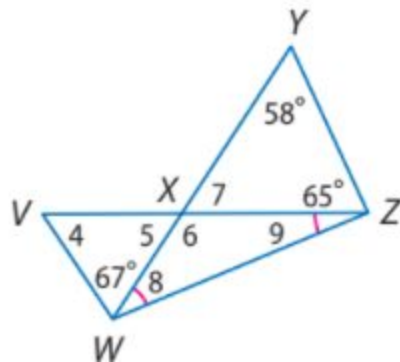| Triangle Angle Sum Theorem	The sum of the measures of the angles of a triangle is _____

1. Find the measures of each numbered angle:
    a.

    b.
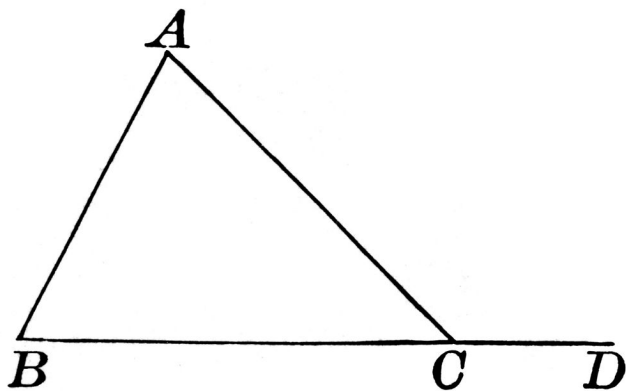

Exterior Angles:

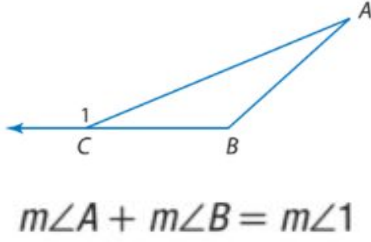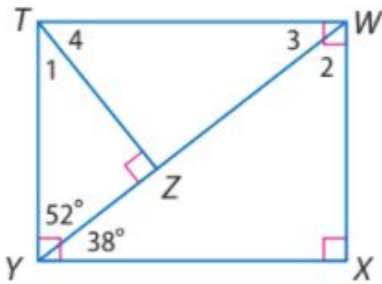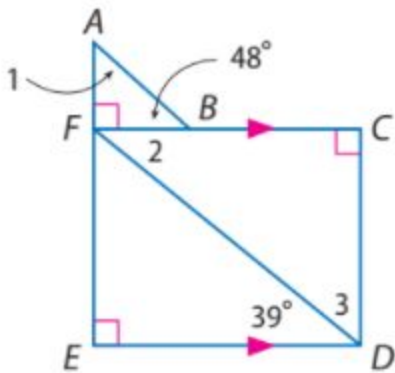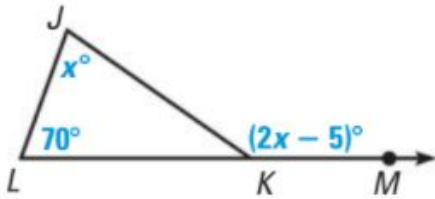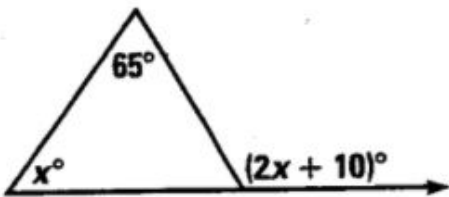|		
Exterior Angle Theorem	The measure of an exterior angle of a triangle is equal to the sum of the measures of the two remote interior angles	$m\angle A + m\angle B = m\angle 1$
	The acute angle of a right triangle are complementary	
	There can be at most one right or obtuse angle in a triangle	

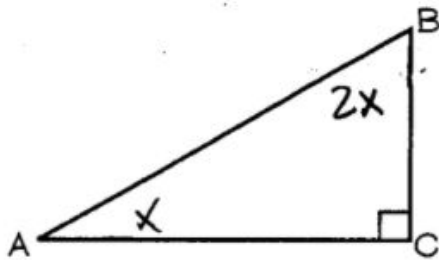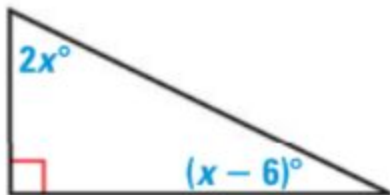2. Find the measures of each numbered angle.
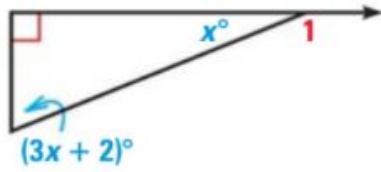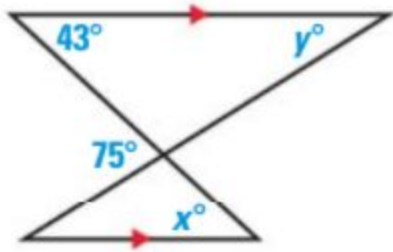
a.

b.

3. Find the value of x:

a.

b.

c.

d.

4. Find the measure of the exterior angle
   a.

   $x°$
   1
   $(3x + 2)°$

   b.

   43°
   $y°$
   75°
   $x°$

   c.

   $y°$
   $x°$
   64°