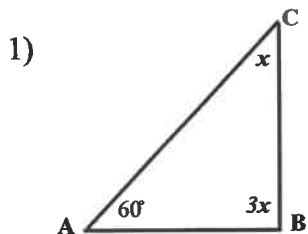


Name _____

SUM OF THE INTERIOR ANGLES OF A TRIANGLE #2

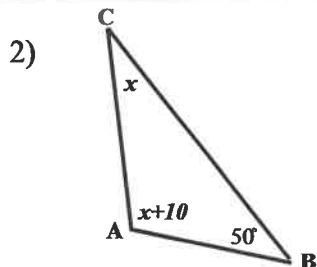
Directions: Solve for x in each of the triangles below. The Triangle Sum Theorem states that the interior angles of a triangle always add up to 180° . Your first step should be to set up an equation where the sum of the angles adds up to 180° . Solve the equation for x , then plug that value back in to the expressions to find the measure of the missing angles.



$x =$ _____

$\angle ABC =$ _____

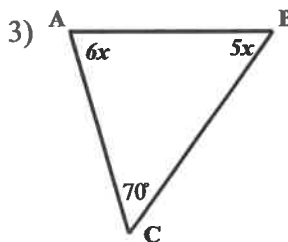
$\angle ACB =$ _____



$x =$ _____

$\angle CAB =$ _____

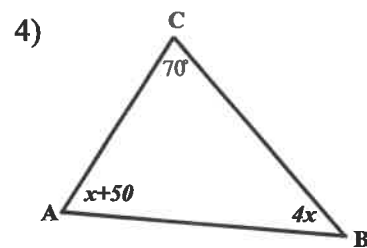
$\angle ACB =$ _____



$x =$ _____

$\angle CAB =$ _____

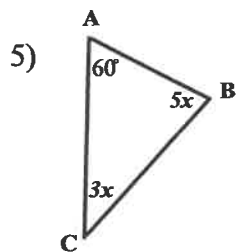
$\angle CBA =$ _____



$x =$ _____

$\angle CAB =$ _____

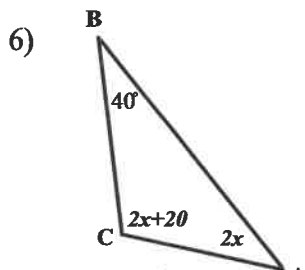
$\angle CBA =$ _____



$x =$ _____

$\angle ABC =$ _____

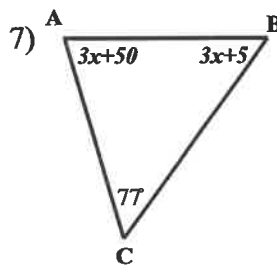
$\angle ACB =$ _____



$x =$ _____

$\angle CAB =$ _____

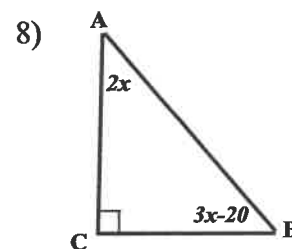
$\angle ACB =$ _____



$x =$ _____

$\angle CAB =$ _____

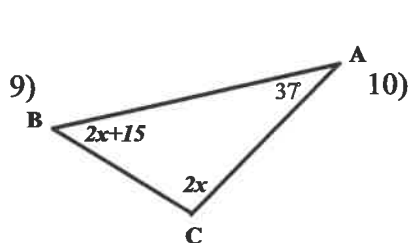
$\angle CBA =$ _____



$x =$ _____

$\angle CAB =$ _____

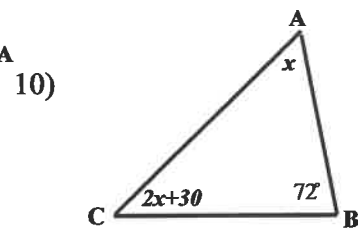
$\angle CBA =$ _____



$x =$ _____

$\angle ABC =$ _____

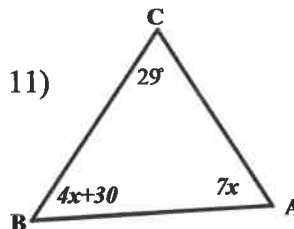
$\angle ACB =$ _____



$x =$ _____

$\angle CAB =$ _____

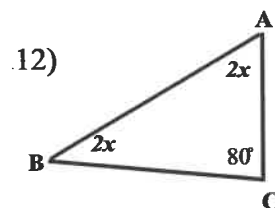
$\angle ACB =$ _____



$x =$ _____

$\angle CAB =$ _____

$\angle CBA =$ _____



$x =$ _____

$\angle CAB =$ _____

$\angle CBA =$ _____