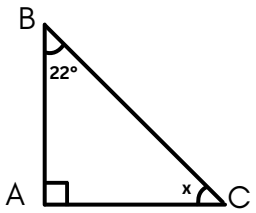
Name: **Grade:** **Score:**

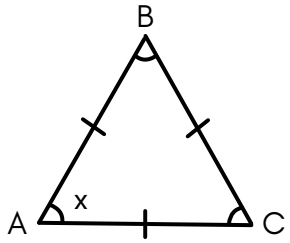
Worksheet #3

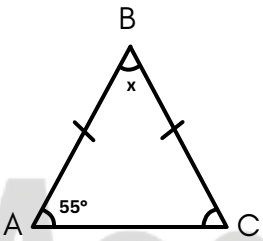
MISSING ANGLE IN A TRIANGLE

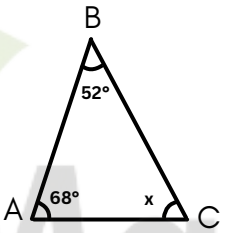
Learning goal: Students will be able to apply the angle sum property of triangles to find unknown interior angles when two angles are given.

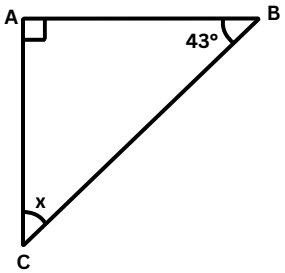
Instruction: Find the measure of indicated angle in each triangle

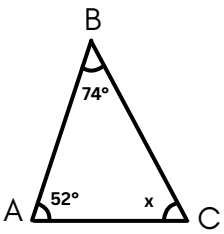












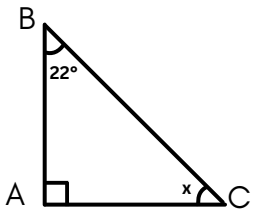
Name: **Grade:** **Score:**

Worksheet #3(Answers)

MISSING ANGLE IN A TRIANGLE

Learning goal: Students will be able to apply the angle sum property of triangles to find unknown interior angles when two angles are given.

Instruction: Find the measure of indicated angle in each triangle

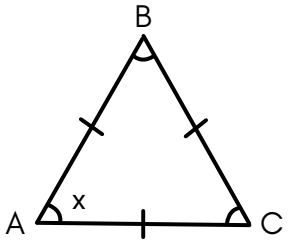


Solution:

Sum of angles in triangle = 180°

x = 180° – (90° + 22°) = 68°

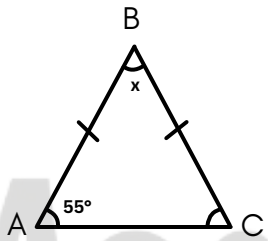
x = 68°



Solution:

All angles in an equilateral triangle = 60°

x = 60°

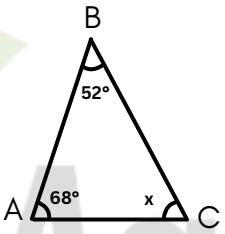


Solution:

Sum of angles in triangle = 180°

x = 180° – (55° + 55°)

x= 70°

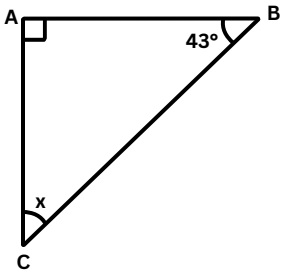


Solution:

Sum of angles in triangle = 180°

x = 180° – (52° + 68°) = 60°

x = 60°

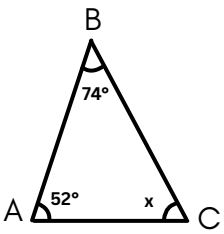


Solution:

Sum of angles in triangle = 180°

x = 180° – (90° + 43°) = 47°

x = 47°



Solution:

Sum of angles in triangle = 180°

x = 180° – (52° + 74°)

x= 54°