



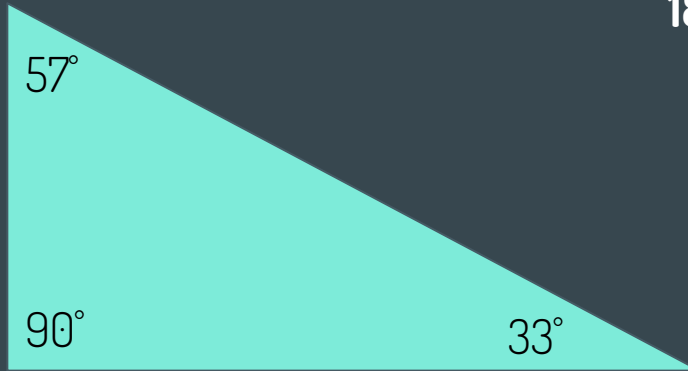
ANGLES OF A TRIANGLE

Created by: Vic Kuang

WHAT ARE THE ANGLES OF A TRIANGLE?

The angles of a triangle are called interior angles. The interior angles always add up to **180 degrees**.

For example:



Note: A triangle always adds up to 180°

As you can see, the interior angles add up to 180 degrees, so this is a triangle.

ANGLES OF A TRIANGLE QUESTION

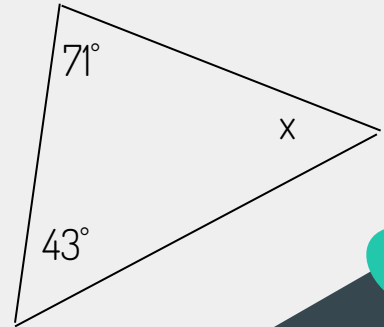
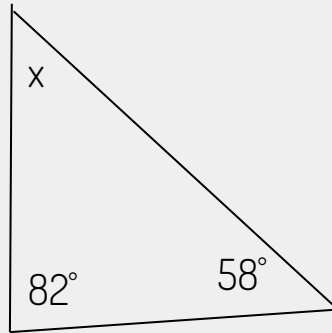
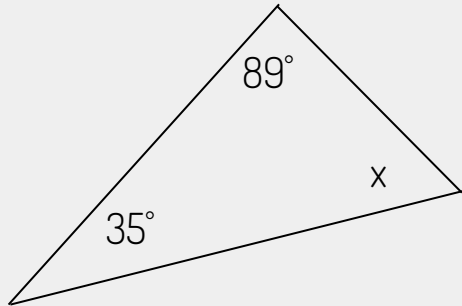
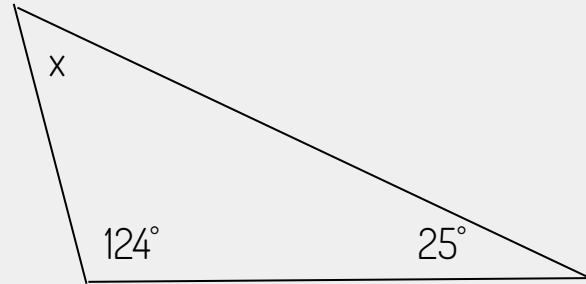
Find the measure or angle x



- 1) Since this is a triangle, we know that all the angles should add up to 180 degrees.
- 2) To find the measure of angle x, we would need to set up an equation.
- 3) $180 - 72 - 72 = 36$
- 4) The measure of angle x is 36 degrees.

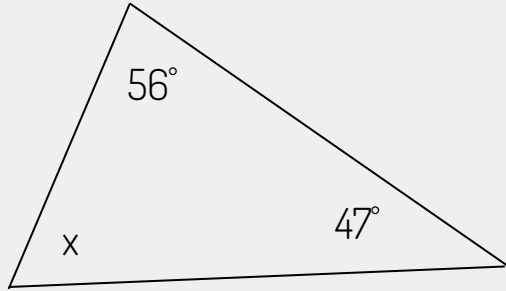
PRACTICE PROBLEMS

Find the measure of angle x

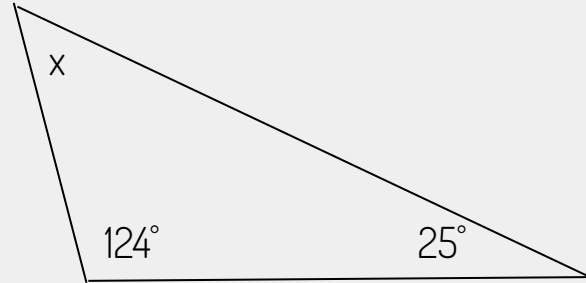


ANSWER KEY

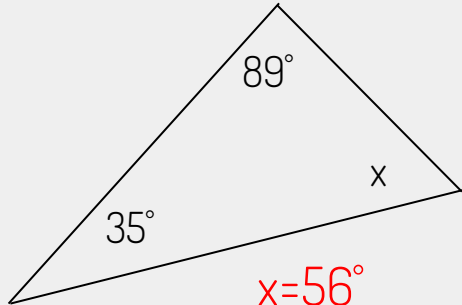
Find the measure of angle x



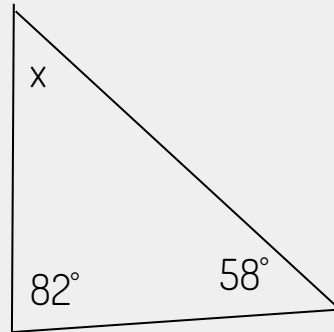
$$x = 77^\circ$$



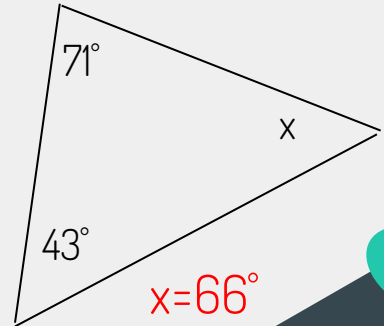
$$x = 31^\circ$$



$$x = 56^\circ$$



$$x = 40^\circ$$



$$x = 66^\circ$$



THANKS



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