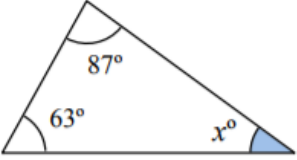
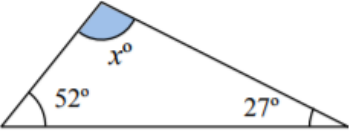
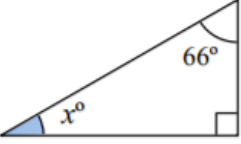
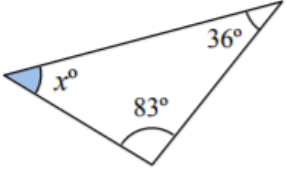
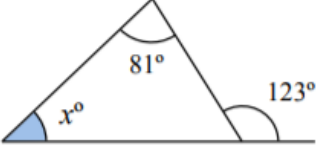
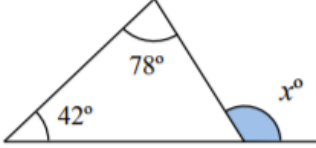
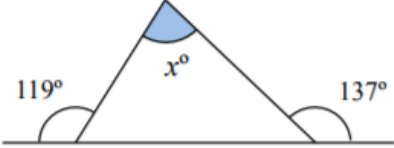
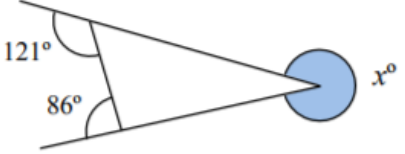
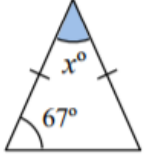

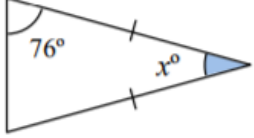
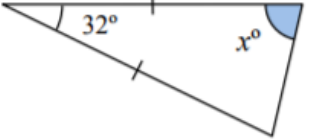
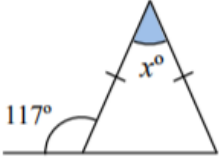
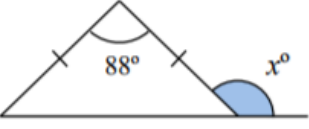
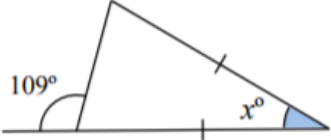
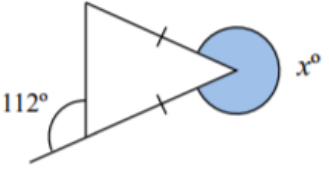


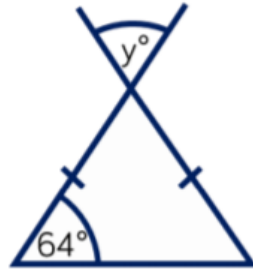
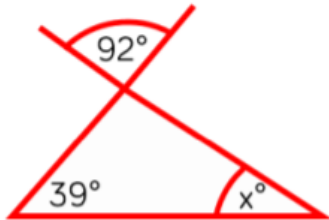
LO: angles in a triangle have a total of 180°

Use your knowledge of angles in a triangle, angles on a straight line and angles around a point to calculate angle x .

A1 Work out the value of x . 	A2 Work out the value of x . 	A3 Work out the value of x . 	A4 Work out the value of x . 
B1 Work out the value of x . 	B2 Work out the value of x . 	B3 Work out the value of x . 	B4 Work out the value of x . 
C1 Work out the value of x . 	C2 Work out the value of x . 	C3 Work out the value of x . 	C4 Work out the value of x . 
D1 Work out the value of x . 	D2 Work out the value of x . 	D3 Work out the value of x . 	D4 Work out the value of x . 

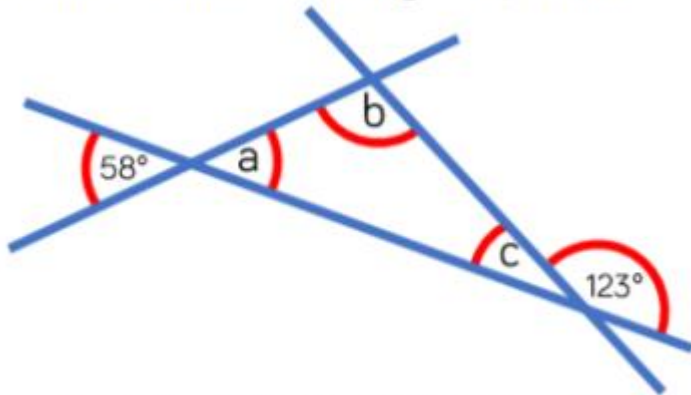
Challenge 1

Work out the value of x and y .
Explain each step of your working.



Challenge 3

Calculate the size of angles a , b and c .



Give reasons for all of your answers.

Challenge 2

Calculate the size of the reflex angle b .

