

Cosine Rule – Missing Sides

139a



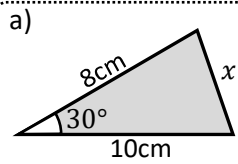
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Name: _____

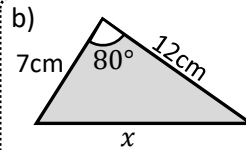


Calculate the value of x in these triangles (correct to 2 decimal places):

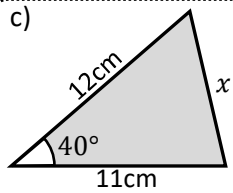
Diagrams not drawn to scale



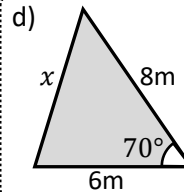
5.04cm



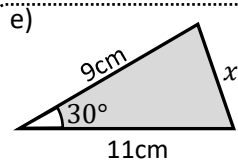
12.8cm



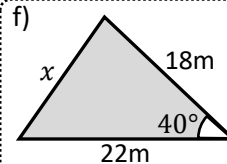
7.92cm



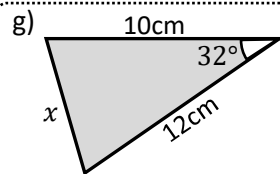
8.2m



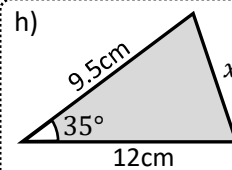
5.53cm



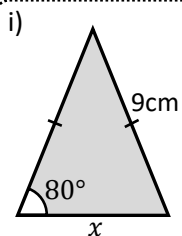
14.19m



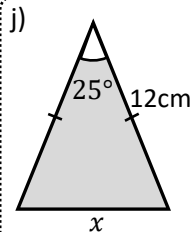
6.36cm



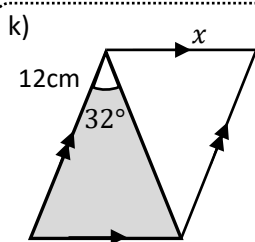
6.89cm



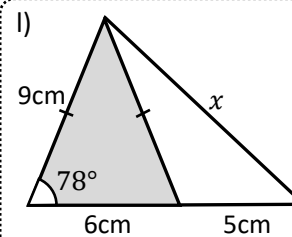
3.13cm



5.19cm



6.62cm

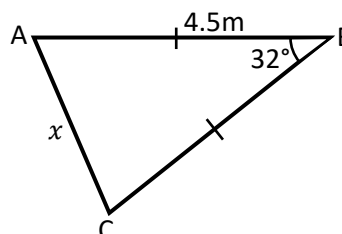


12.68cm

Exam question:

Triangle ABC is an isosceles triangle.
Calculate the length of AC (x) to 2 decimal places

2.48m



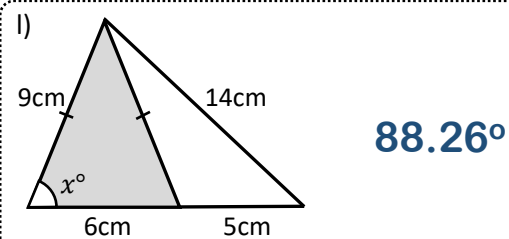
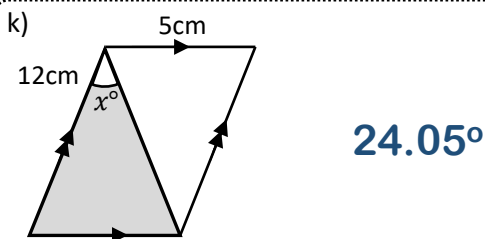
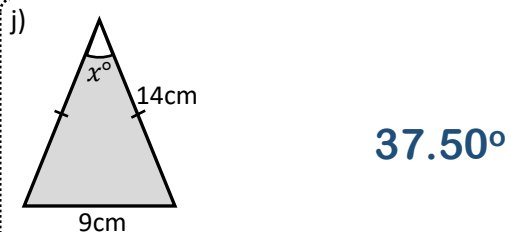
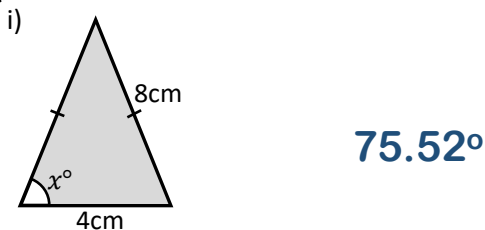
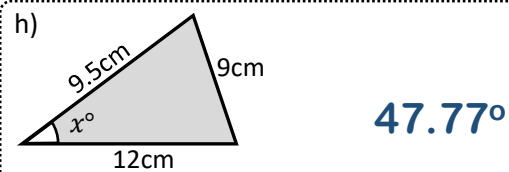
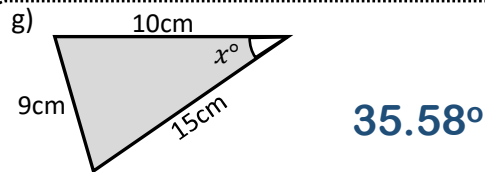
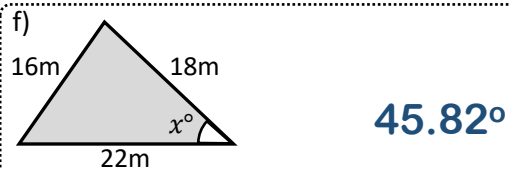
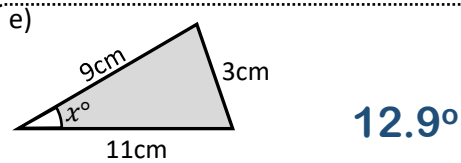
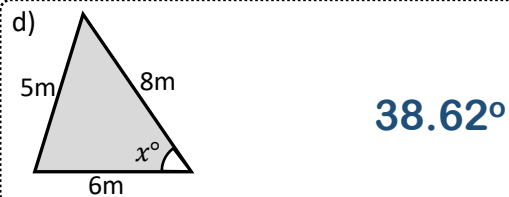
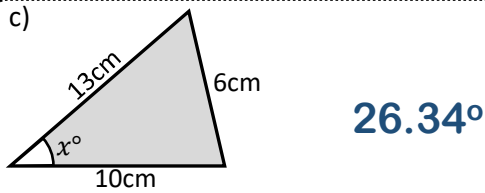
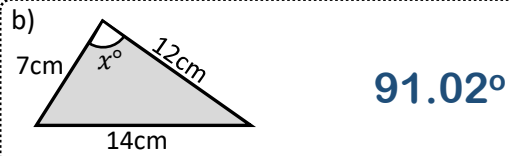
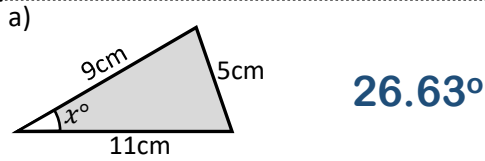


Name: _____



Calculate the value of x in these triangles (correct to 2 decimal places) :

Diagrams not drawn to scale



Exam question:

Triangle ABC is an isosceles triangle.
Calculate the angle of ABC (x) to 1 decimal place

30.81°

