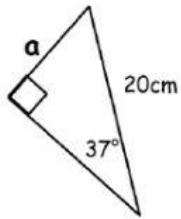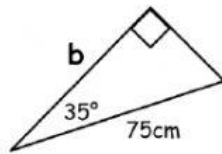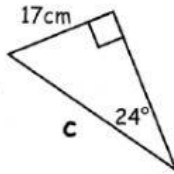# Trigonometry SOH CAH TOA

Question 1 – Calculate the missing sides on the triangles below. Give your answer correct to 1 decimal place.
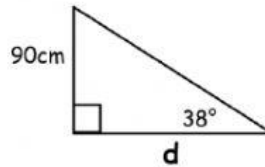

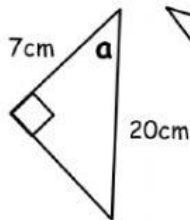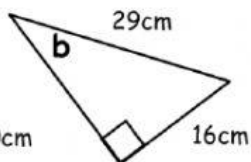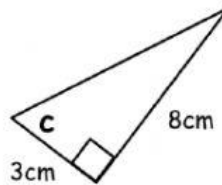a =   cm   b =   cm   c =   cm   d =   cm

Question 2 - Calculate the missing angles on the triangles below. Give your answer correct to 1 decimal place.
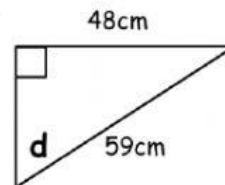

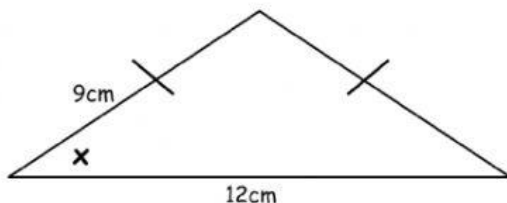a =   °   b =   °   c =   °   d =   °

Question 3
A ladder of length 3.5m rests against a vertical wall and makes an angle of 40° with the floor. How far up the wall does the ladder reach? Give your answer correct to 1 decimal place.

It reaches   m

Question 4
Find the angle X in the triangle below. Give your answer correct to 1 decimal place.

X =   °

Question 5
A rope 10m long from the top of a vertical pole to a point on the ground makes an angle of 23° with the pole. How high is the pole? Give your answer correct to 1 decimal place.

The pole is   m high