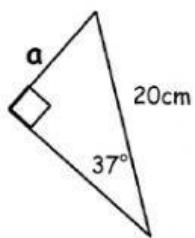
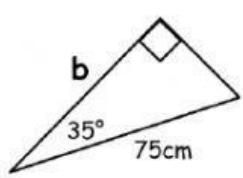


## Trigonometry SOH CAH TOA

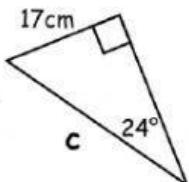
Question 1 - Calculate the missing sides on the triangles below. Give your answer correct to 1 decimal place.



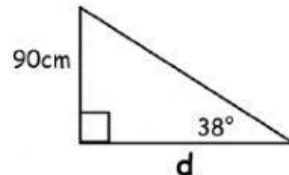
$$a = \text{ cm}$$



$$b = \text{ cm}$$

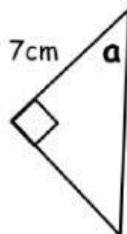


$$c = \text{ cm}$$

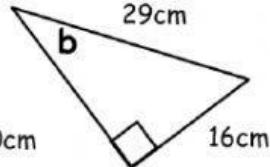


$$d = \text{ cm}$$

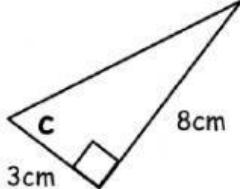
Question 2 - Calculate the missing angles on the triangles below. Give your answer correct to 1 decimal place.



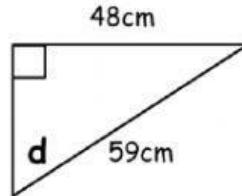
$$a = {}^\circ$$



$$b = {}^\circ$$



$$c = {}^\circ$$



$$d = {}^\circ$$

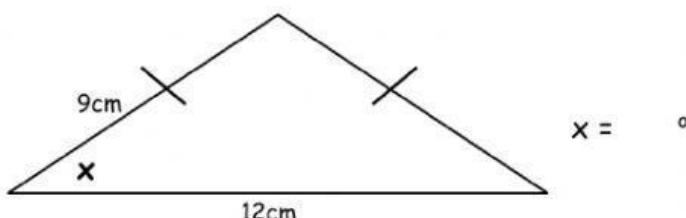
Question 3

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

It reaches  $\text{ m}$

Question 4

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



$$X = {}^\circ$$

Question 5

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

The pole is  $\text{ m}$  high