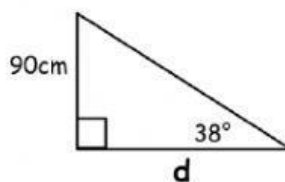
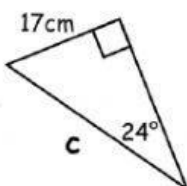
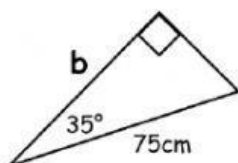
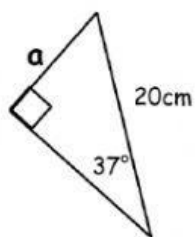


## Trigonometry SOH CAH TOA

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



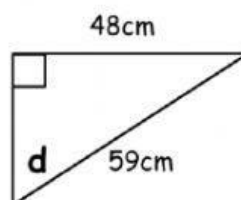
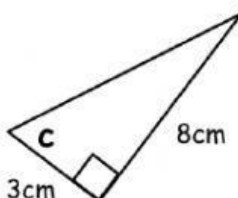
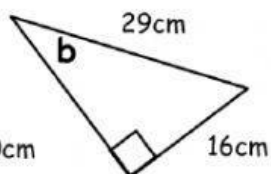
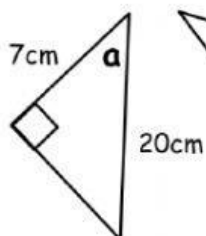
$a =$     cm

$b =$     cm

$c =$     cm

$d =$     cm

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



$a =$      $^\circ$

$b =$      $^\circ$

$c =$      $^\circ$

$d =$      $^\circ$

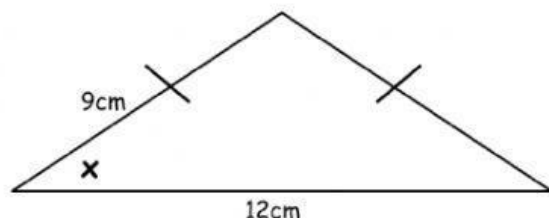
### Question 3

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        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        m high