**Trigonometry SOH CAH TOA GREEN**

Question 1 – Calculate the missing sides on the triangles below.



Question 2 - Calculate the missing angles on the triangles below.



Question 3

A ladder of length 3.5m rests against a vertical wall and makes an angle of 40o with the floor. How far up the wall does the ladder reach?

Question 4

Find the angle *X* in the triangle below.



Question 5

A rope 10m long from the top of a vertical pole to a point on the ground makes an angle of 23o with the pole. How high is the pole?

**Trigonometry SOH CAH TOA AMBER**

Question 1 – Calculate the missing sides on the triangles below.



Question 2 - Calculate the missing angles on the triangles below.

You’ll need to use sin-1, cos-1 and tan-1 to answer these ones!



Question 3

A ladder of length 3.5m rests against a vertical wall and makes an angle of 40o with the floor. How far up the wall does the ladder reach? (Hint: if it’s tricky, draw a piccy!)

Question 4

Find the angle *X* in the isosceles triangle below.



Question 5

A rope 10m long from the top of a vertical pole to a point on the ground makes an angle of 23o with the pole. How high is the pole? (Hint: if it’s tricky, draw a piccy!)

**Trigonometry SOH CAH TOA RED**

Question 1 – Calculate the missing sides on the triangles below.

Start by labelling the sides with O, A and H, then decide which trig ratio to use.



Question 2 - Calculate the missing angles on the triangles below.

You’ll need to use sin-1, cos-1 and tan-1 to answer these ones!



Question 3

A ladder of length 3.5m rests against a vertical wall and makes an angle of 40o with the floor. How far up the wall does the ladder reach? (Hint: if it’s tricky, draw a piccy!)

Question 4

Find the angle *X* in the isosceles triangle below.



Question 5

A rope 10m long from the top of a vertical pole to a point on the ground makes an angle of 23o with the pole. How high is the pole? (Hint: if it’s tricky, draw a piccy!)