

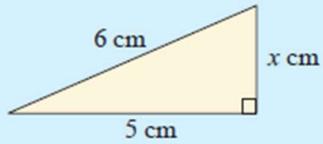
Name:

# Trigonometry Quiz

Q1) Write down Pythagoras' Theorem:

Q2)

Find the length of the third side of:

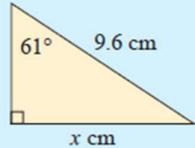


Q3) Draw the SohCahToa Triangles:

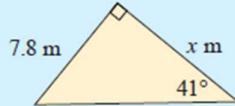
Q4)

Find the unknown length in the following triangles:

a

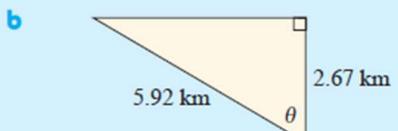
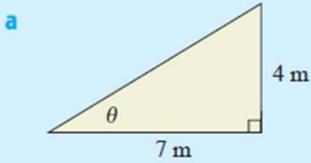


b

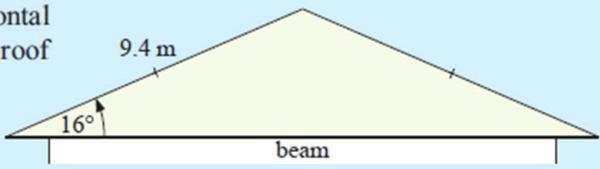


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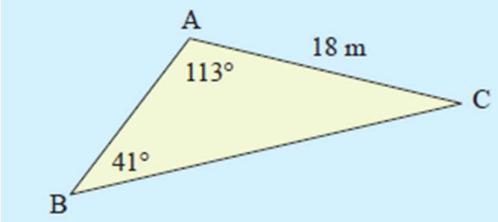
Q5) Find the measure of the angle marked  $\theta$  in:



Q6) Determine the length of the horizontal roofing beam required to support a roof of pitch  $16^\circ$  as shown alongside:



Q7) Find the length of side [BC], correct to 2 decimal places:



**Example 17**

Find, correct to 2 decimal places, the length of [BC].

