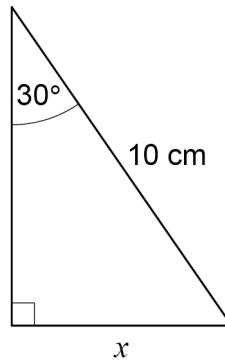


Show that the value of $5 \sin 30^\circ \times \cos 30^\circ \times 8 \tan 30^\circ$ is an integer.

[illegible]

2

Here is a right-angled triangle.

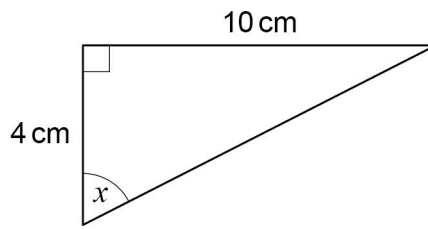
Not drawn
accuratelyUse trigonometry to work out the value of x .**[3 marks]**

Answer _____ cm

3Work out the value of $(\cos 30^\circ \times \sin 45^\circ \times \tan 60^\circ)^2$ **[4 marks]**

Answer _____

- 4 Use trigonometry to work out the size of angle x .



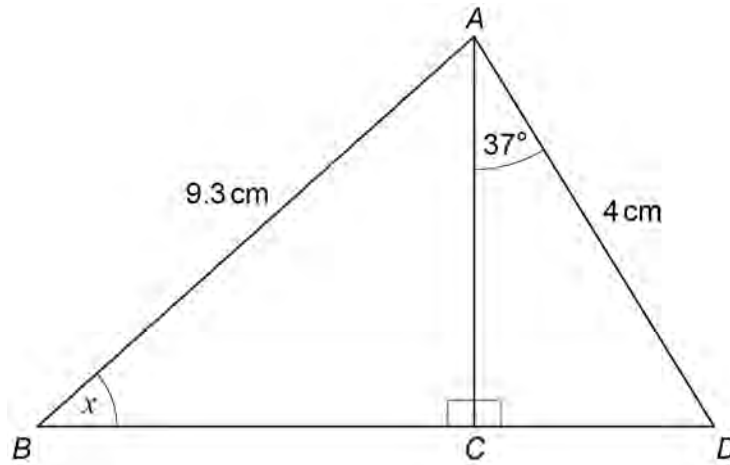
Not drawn
accurately

[3 marks]

$x =$ _____ $^{\circ}$

Show that $\frac{4 \sin 30^\circ - \tan 45^\circ}{2 \cos 30^\circ}$ can be written as $\tan x$, where x is an acute angle.

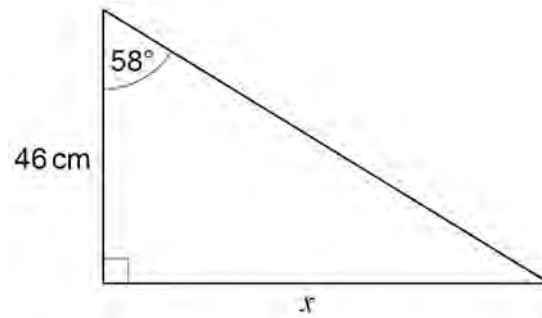
Not drawn accurately



[4 marks]

$$x = \underline{\hspace{10cm}}$$

7

Use trigonometry to work out the value of x .Not drawn
accurately**[3 marks]**

 $x =$ _____ cm

$$4 \times \sin 30^\circ \times \tan 30^\circ \times \cos 30^\circ = \sin y$$

You **must** show your working.

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There are approximately 20 lines visible. The paper has a slight shadow on the right side, suggesting it's resting on a surface.

Answer _____ degrees

[4 marks]