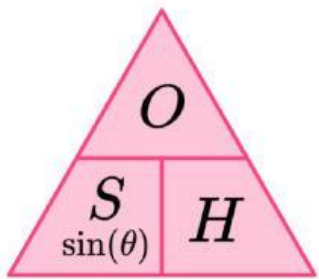
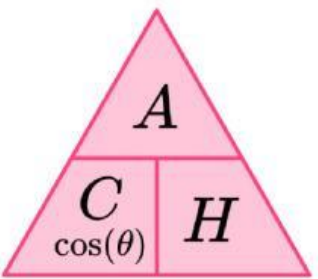
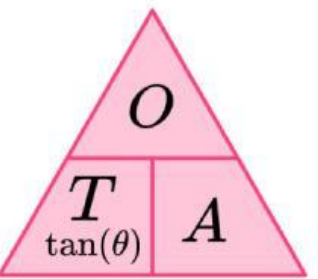


TRIGONOMETRIC FUNCTIONS

Sin cos tan is a shortened description of the three trigonometric functions of **sine**, **cosine**, and **tangent**.

The three trigonometric ratios can be used to determine a missing side or a missing angle. We use the following trigonometric formulae.

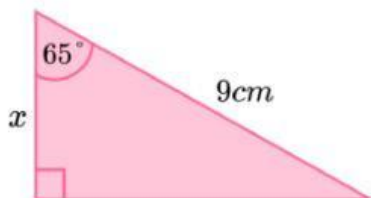
Sine	Cosine	Tangent
		
$\sin \theta = \frac{O}{H}$	$\cos \theta = \frac{A}{H}$	$\tan \theta = \frac{O}{A}$

Therefore we get the abbreviation : **SOHCAHTOA**

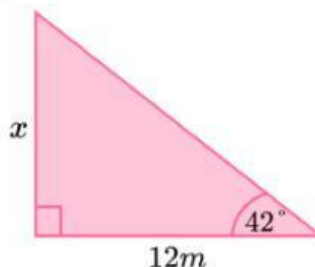
TYPE : I

Find the length of side labelled 'x'

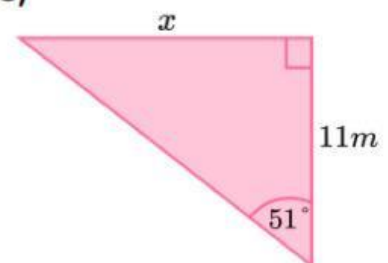
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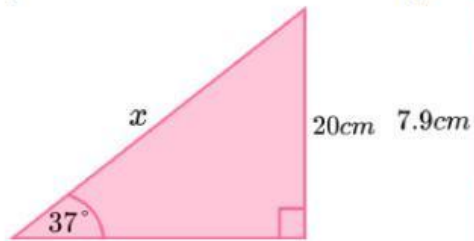
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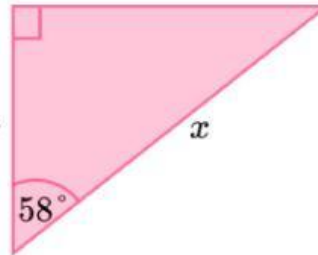
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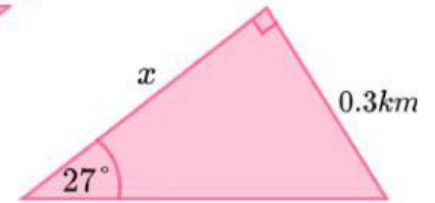
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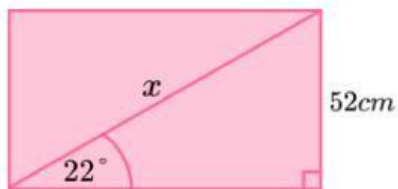
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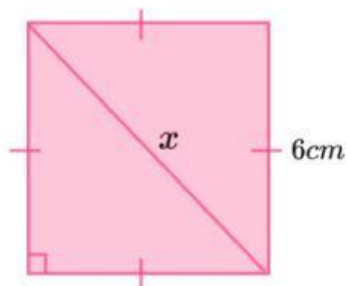
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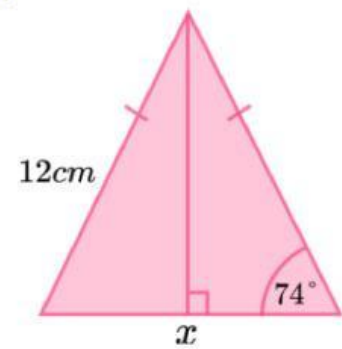
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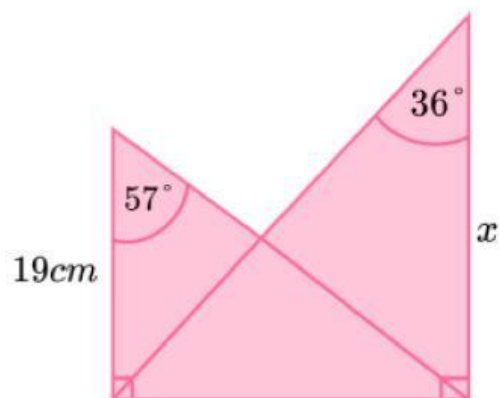
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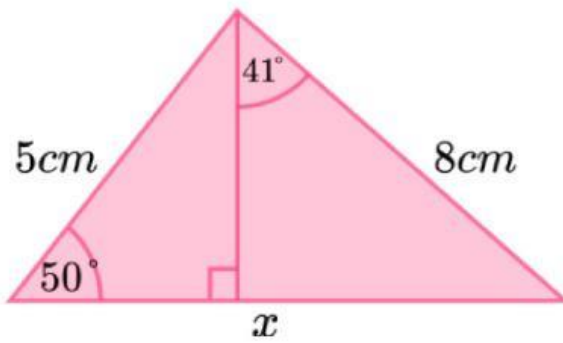
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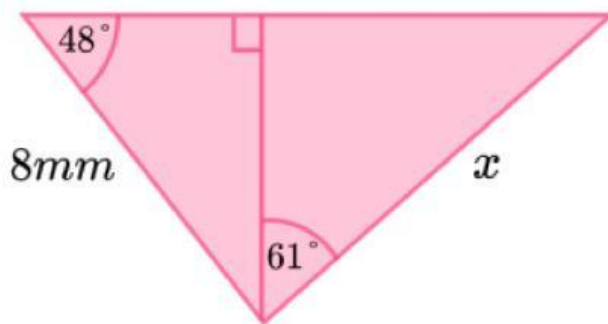
MULTI-STEP PROBLEM:



_____ cm

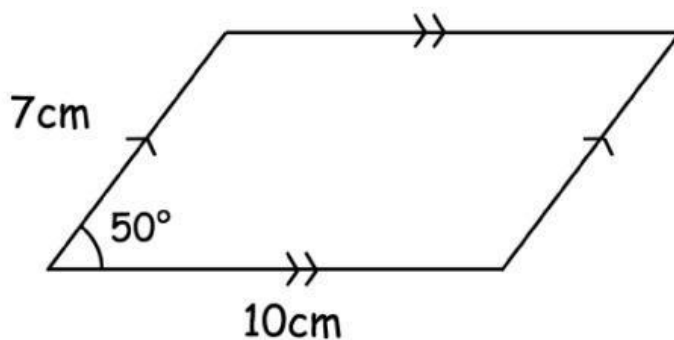


_____ cm



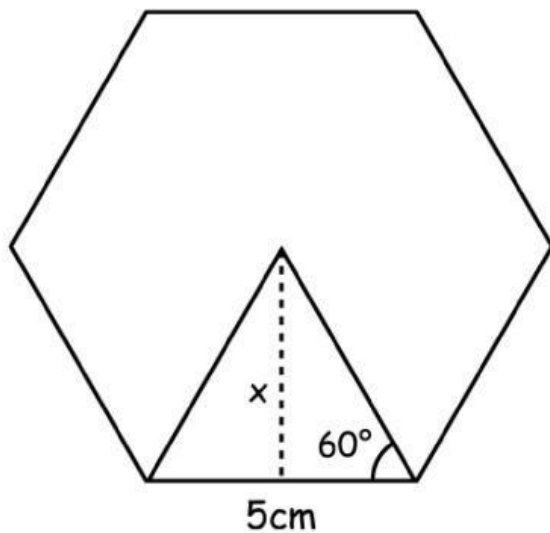
_____ cm

Shown below is a parallelogram. Calculate the area of the parallelogram



_____ sq cm

A regular hexagon can be divided into 6 equilateral triangles. The diagram below shows one of the equilateral triangles. Find area of the hexagon.



_____ sq cm