The diagram shows a triangle ABC.

AB = 5 cmAC = 6 cm

and 
$$BC = 4 cm$$

(a) Show that  $\cos \theta = \frac{3}{4}$ 

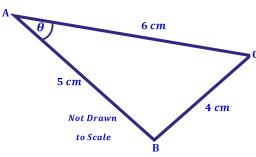
(3 Marks)

(b)Hence or otherwise find the exact values of Sin  $\theta$  and Tan  $\theta$ 

(4 Marks)

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Link to Solutions: https://youtu.be/MXtBVyzJKsM



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2	The diagram shows the journey of a student on a school campus. He walks 600 m due north				
	from the Auditorium at point A to the Library at point L. He then walks on a bearing of $  heta $ to the				
	canteen at point C.He finally walks back to the Auditorium which is a distance of 900 m.				
is.com	(a) Calculate the distance between the Library and the Canteen. (3 Marks)  Not Drawn				
lmatl	(b) Find the bearing of the Canteen from the Library. (4 Marks)				
www.formular1maths.com	(c) Work out the area enclosed by his walk. (3 Marks)  © www.formular1maths.com Link to Solutions: https://youtu.be/MXtBVyzJKsM  L  900 m				
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