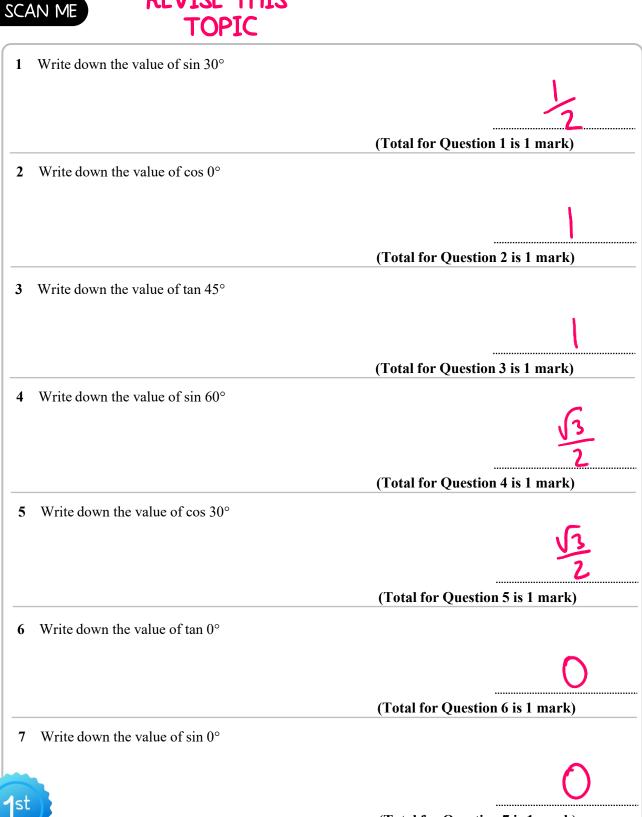


Exact Trig Values







(Total for Question 7 is 1 mark)

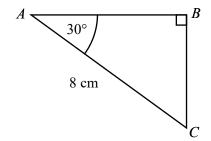






2	(Total for Question 14 is 1 mark)
1st	(T-4-16 Q (* 14) 1 1)
	<u>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</u>
14 Write down the value of cos 45°	_
14. Write down the volve of and 45°	(Total for Question 13 is 1 mark)
	(T-4-16 O (* 12:1 1)
	<u>12</u>
13 Write down the value of sin 45°	_
	(Total for Question 12 is 1 mark)
	3
	5
12 Write down the value of tan 30°	(
	(Total for Question 11 is 1 mark)
	\mathcal{O}
11 Write down the value of cos 90°	(Total for Question 10 is 1 mark)
	(Total for Organian 10 is 1 and)
	1
10 Write down the value of sin 90°	
	(Total for Question 9 is 1 mark)
	<u> </u>
7 THE SOUTH HE TAILS OF WILL OU	
9 Write down the value of tan 60°	(Total for Question 8 is 1 mark)
	2
8 Write down the value of cos 60°	

15 *ABC* is a right-angled triangle.



Calculate the length of *BC*.

$$Sin(30) = \frac{x}{8}$$

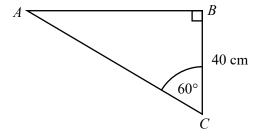
$$\frac{1}{2} = \frac{x}{8}$$

$$x = 4$$

4 cm

(Total for Question 15 is 2 marks)

16 *ABC* is a right-angled triangle.



Calculate the length of AC.

$$(0)(60) = \frac{40}{x}$$

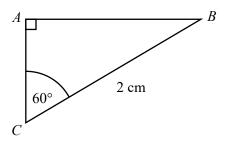
$$\frac{1}{2} = \frac{40}{x}$$



80

(Total for Question 16 is 2 marks)

17 *ABC* is a right-angled triangle.



Calculate the length of AB.

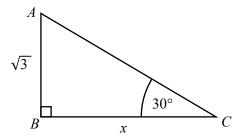
$$Sin(60) = \frac{x}{2}$$

 $\frac{\sqrt{3}}{2} = \frac{x}{2}$



(Total for Question 17 is 2 marks)

18 *ABC* is a right-angled triangle.



Calculate the length of BC.

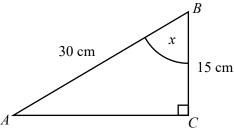
$$tan(30) = \sqrt{3}$$

$$\sqrt{3} = \sqrt{3}$$

$$x$$



19 *ABC* is a right-angled triangle.



Work out the size of the angle marked x.

$$\cos(x) = \frac{15}{30}$$

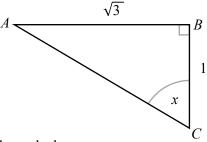
$$\cos(x) = \frac{1}{2}$$

$$\cos(60) = \frac{1}{2}$$

60

(Total for Question 19 is 2 marks)

20 *ABC* is a right-angled triangle.



Work out the size of the angle marked x.

$$tan(x) = \sqrt{3}$$

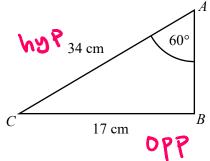
 $tan(x) = \sqrt{3}$
 $tan(60) = \sqrt{3}$



60

(Total for Question 20 is 2 marks)

21 *ABC* is a triangle.



Not drawn accurately

Is angle *ABC* a right angle?

Tick one box.





Not possible to tell

Give a reason for your answer.

(Total for Question 21 is 2 marks)

