

TIME

1 hour 15 minutes.

INSTRUCTIONS TO CANDIDATES

Write your Centre Number and Candidate Number in the spaces provided at the top of this page.

Write your answers in the spaces provided in the question paper.

Complete in blue or black ink only. **Do not write in pencil or with a gel pen.** Answer **all thirteen** questions.

Any working should be clearly shown in the spaces provided since marks may be awarded for partially correct solutions.

You may use a calculator for this paper.

INFORMATION FOR CANDIDATES

The total mark for this paper is 50.

Figures in brackets printed down the right-hand side of pages indicate the marks awarded to each question or part question.

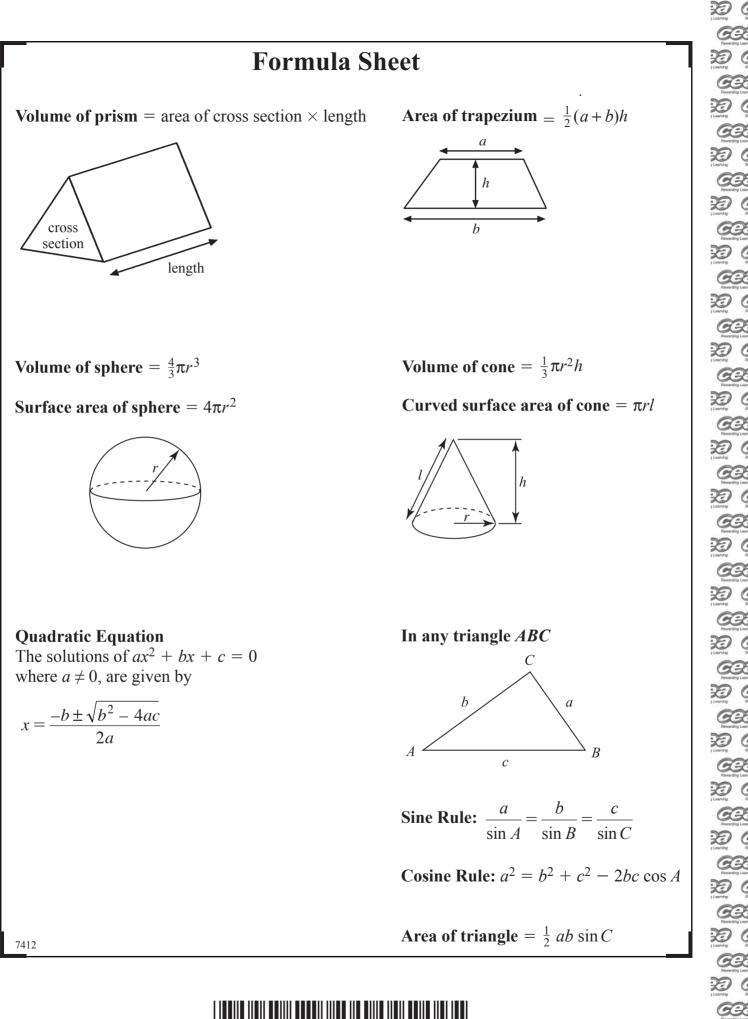
Functional Elements will be assessed in this paper.

Quality of written communication will be assessed in questions 2 and 5.

You should have a calculator, ruler, compasses and protractor.

The Formula Sheet is on page 2.





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	Answer all questions.	Examin Marks	er Only Remark
1	75 grams of flour and 135 millilitres of milk are needed to make 12 biscuits.		
	(a) How much flour is needed to make 30 biscuits?		
	Answer grams [1]		
	(b) How many biscuits can be made with 175 grams of flour, provided there is enough milk?		
	Answer biscuits [1]		
	(c) A number of biscuits are made using 300 grams of flour.		
	How much milk is needed?		
	Answer millilitres [1]		
		Total Qu	uestion 1
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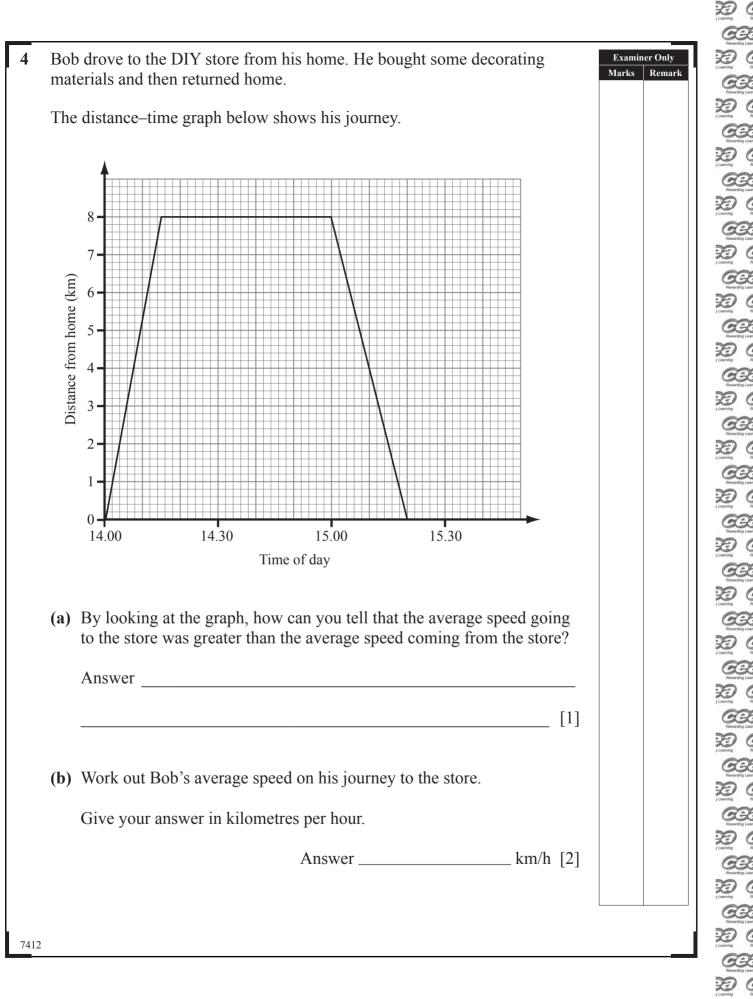


Quality	of written comm	unication will be a	assessed in this question.		Examin Marks	er Only Remark
2 (a)	Make <i>y</i> the subject	et in the following e	equation and simplify the answ	ver.		
		5x - 7 = 5 -	- <i>y</i>			
		Answ	$\operatorname{ver} y = \underline{\qquad}$	_ [2]		
(b)		ements below descr nole number? Expla	tibes the number $3n + 1$, when $3n $	e n		
	"always even"	"always odd"	"could be even or odd"			
	Answer		_			
	because					
				[2]		
					Total Qu	iestion 2
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		pearing are recorded		A			
Shape				\star			
Probability	0.14	0.32		0.08			
	1 1 11.		·				
(a) What is th	ie probability o	f the hexagon appea	uring?		[2]		
		Allswei			_ [4]		
(b) If I play the triangle to		es, how many times	should I exp	ect the			
		Answer			_ [2]		
		7 1115 W CI			_ [~]		
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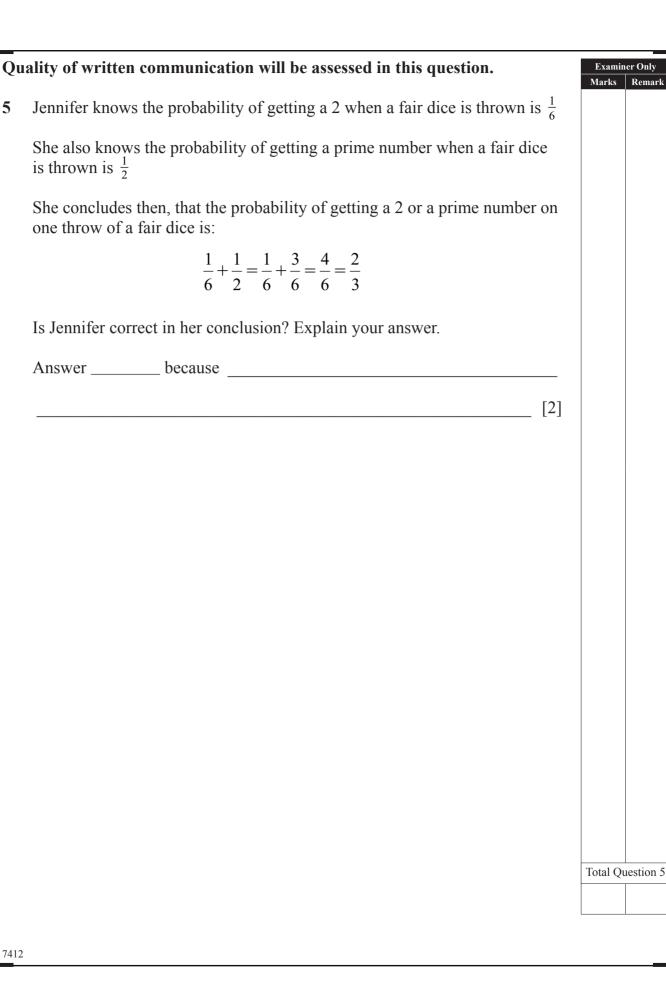
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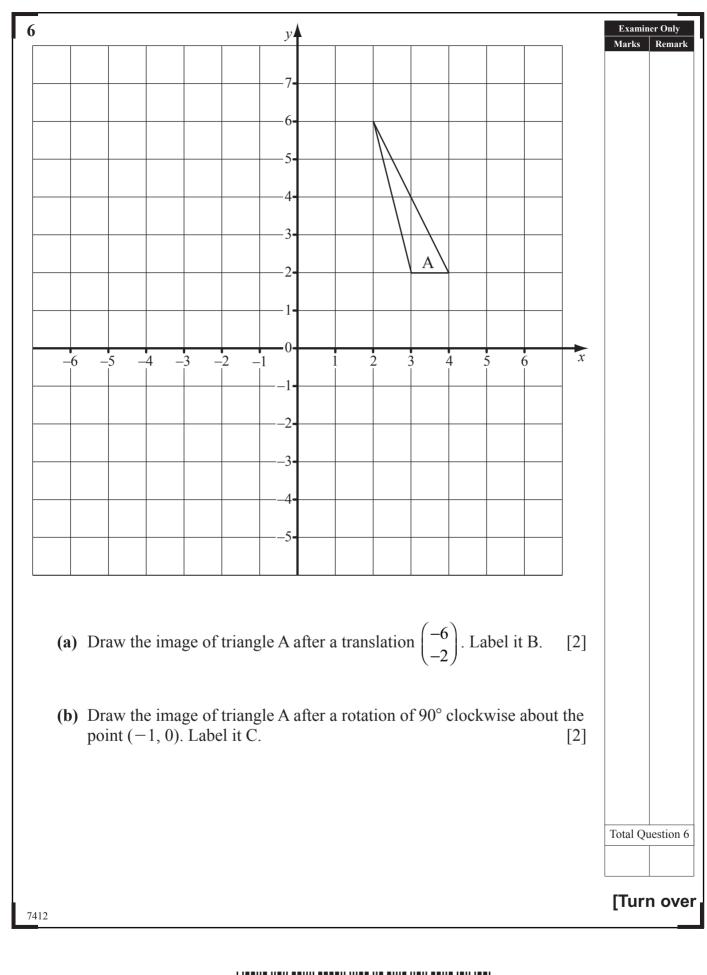
2			[Turr	1 ov
			Total Qu	iestion
	Answer km	[1]		
(d)	How far from the store was Bob's wife at 14.42?			
		[1]		
	Bob's wife left home at 14.30 and drove to the same store to meet B She drove at an average speed of 24 km/h.		Marks	Rem





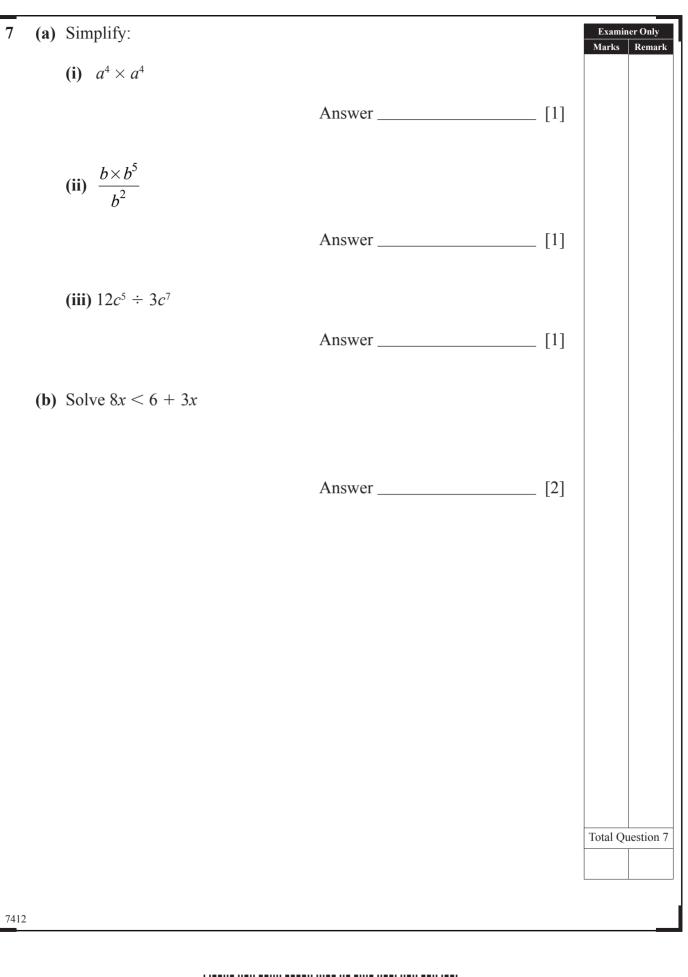
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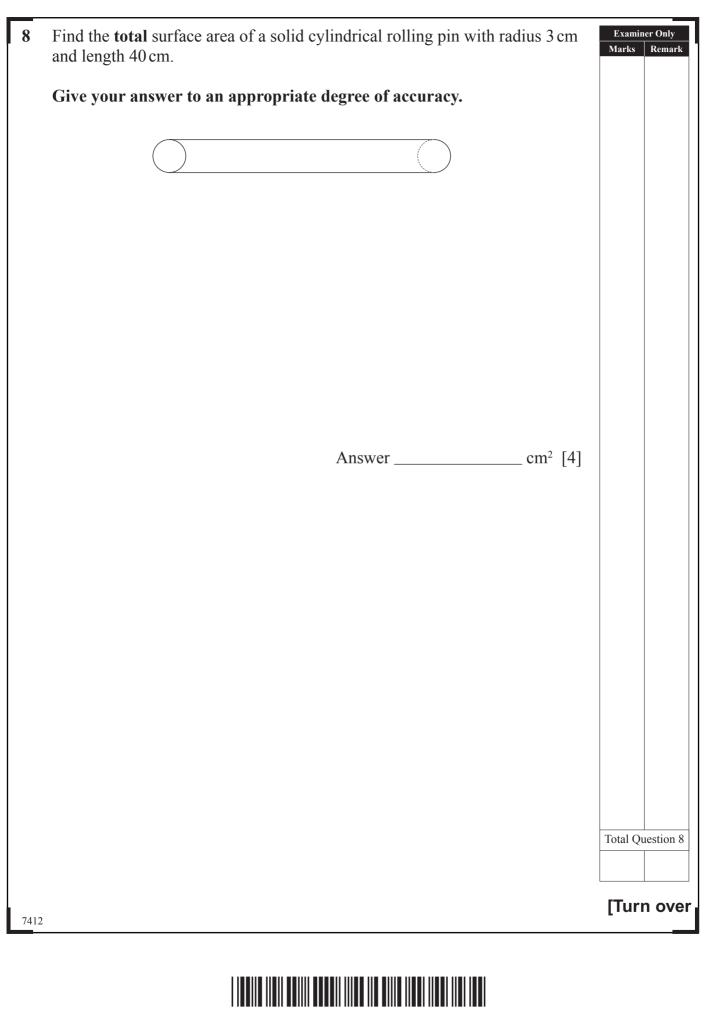
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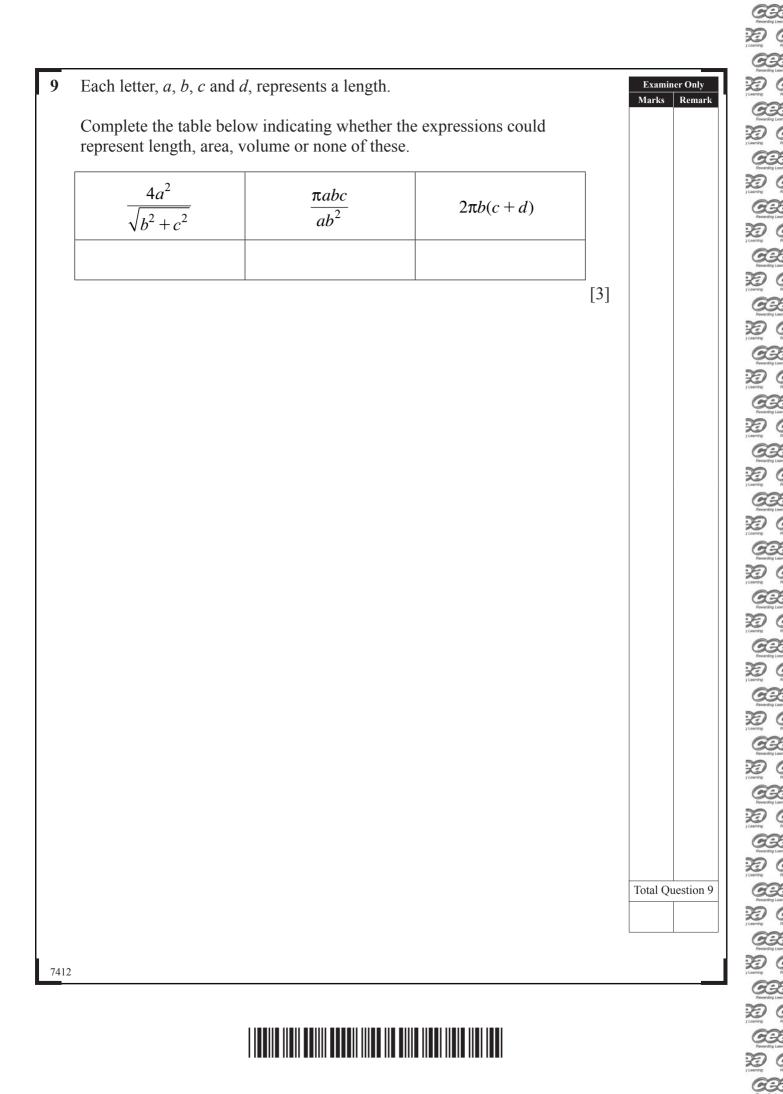


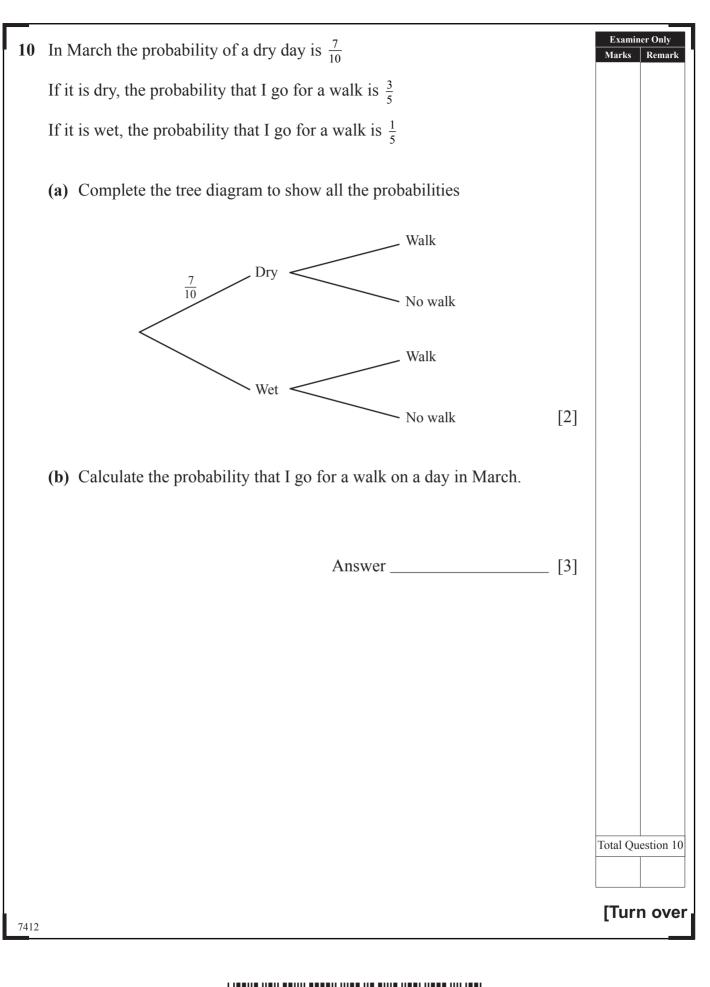
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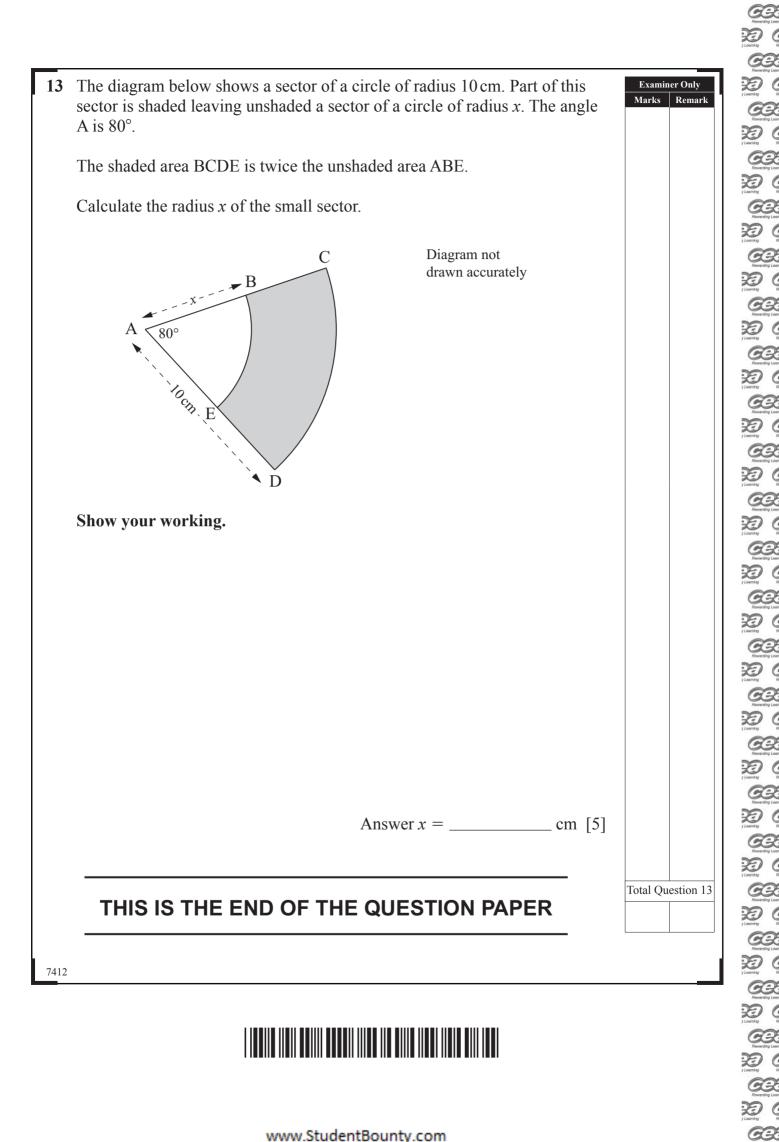




Answer	[2]	
	Tota	al Question 11
		Tou

2 In a game, a dart is dropped at random onto a square board which has a circle inscribed in it as shown.		Examine Marks	r Only Remarl
Find the probability that the dart lands on the shaded area. Leave your answer in terms of π .			
Answer	[4]		
		Total Que	
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For Examiner's use only Question Marks Number 1 2 3 4 5 6 7 8 9 10 11 12 13 QWC Total Marks **Examiner Number**