

## READ THESE INSTRUCTIONS FIRST

Write your Centre number, candidate number and name on all the work you hand in.

Write in dark blue or black pen.

You may use a pencil for any diagrams or graphs.

Do not use staples, paper clips, highlighters, glue or correction fluid.

DO NOT WRITE IN ANY BARCODES.

Answer all questions.

If working is needed for any question it must be shown below that question.

Electronic calculators should be used.

If the degree of accuracy is not specified in the question, and if the answer is not exact, give the answer to three significant figures. Give answers in degrees to one decimal place.

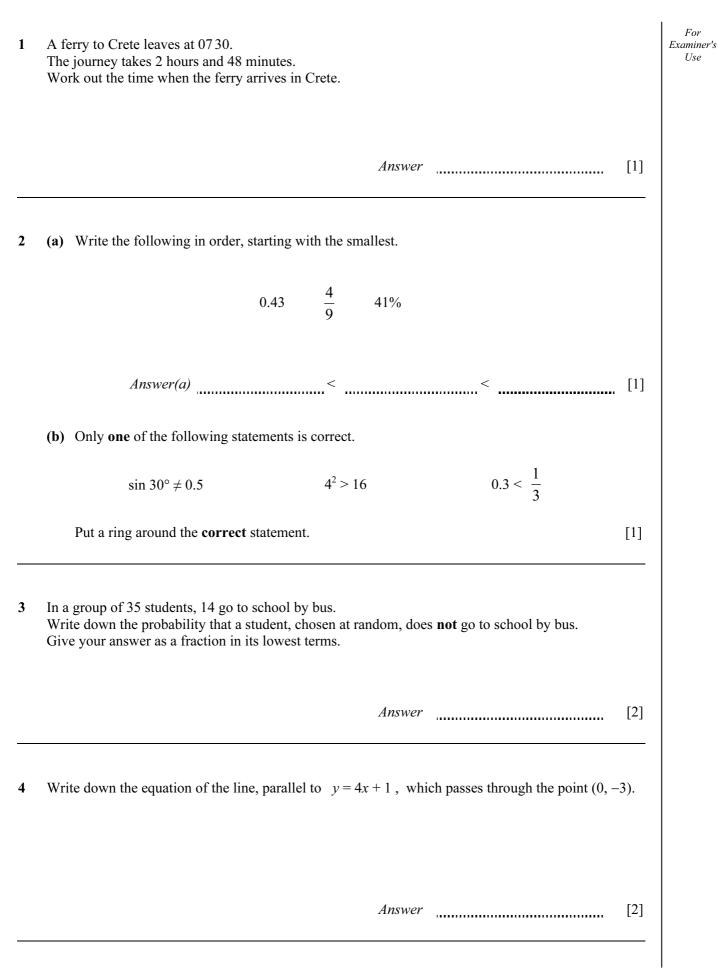
For  $\pi$ , use either your calculator value or 3.142.

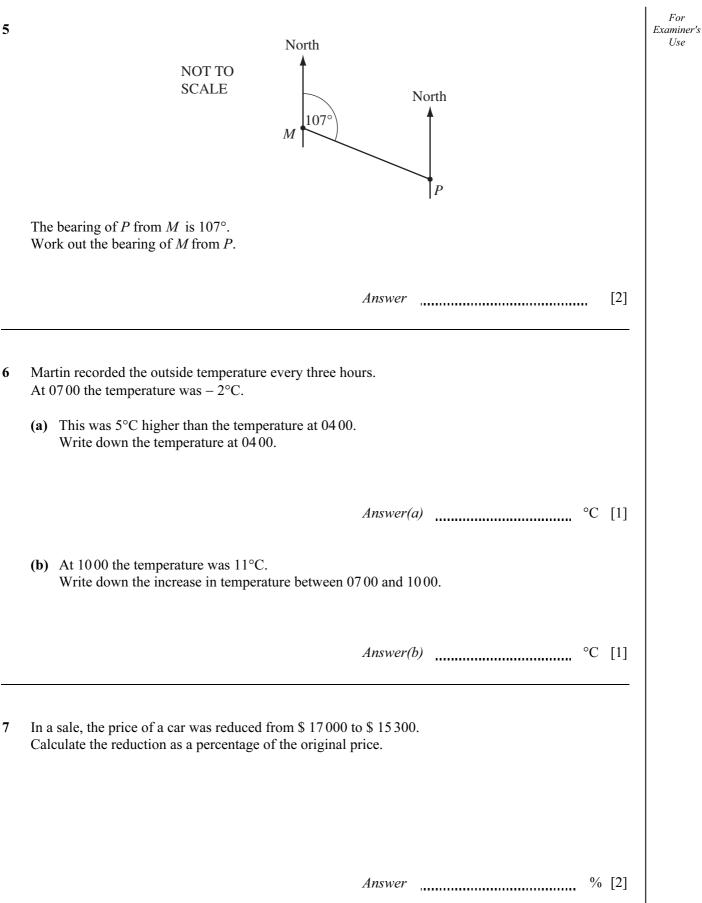
At the end of the examination, fasten all your work securely together.

The number of marks is given in brackets [] at the end of each question or part question. The total of the marks for this paper is 56.

This document consists of 8 printed pages.



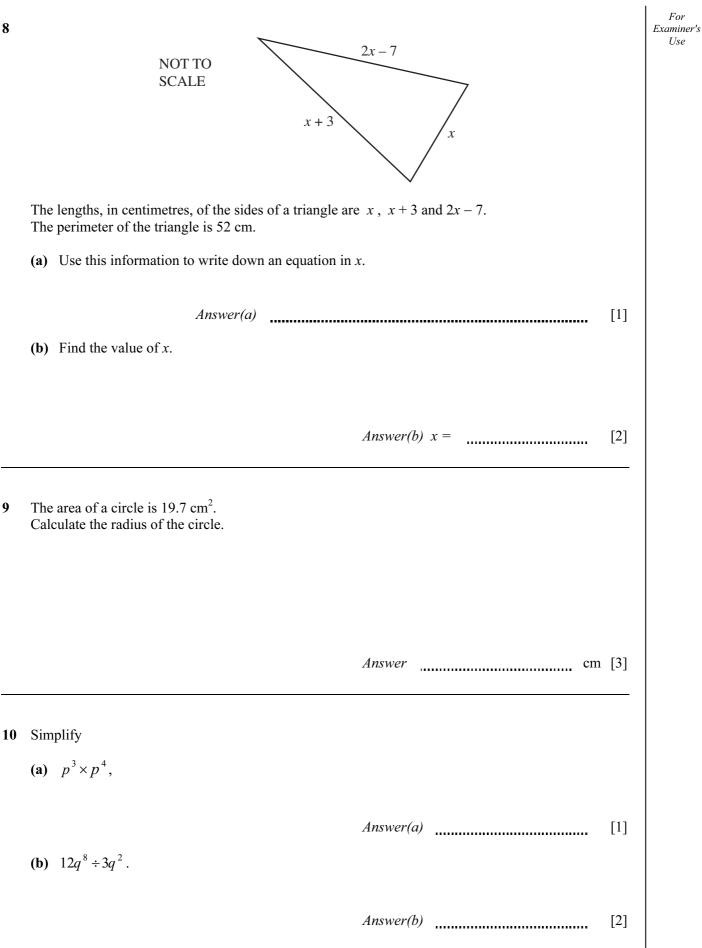




For

Use

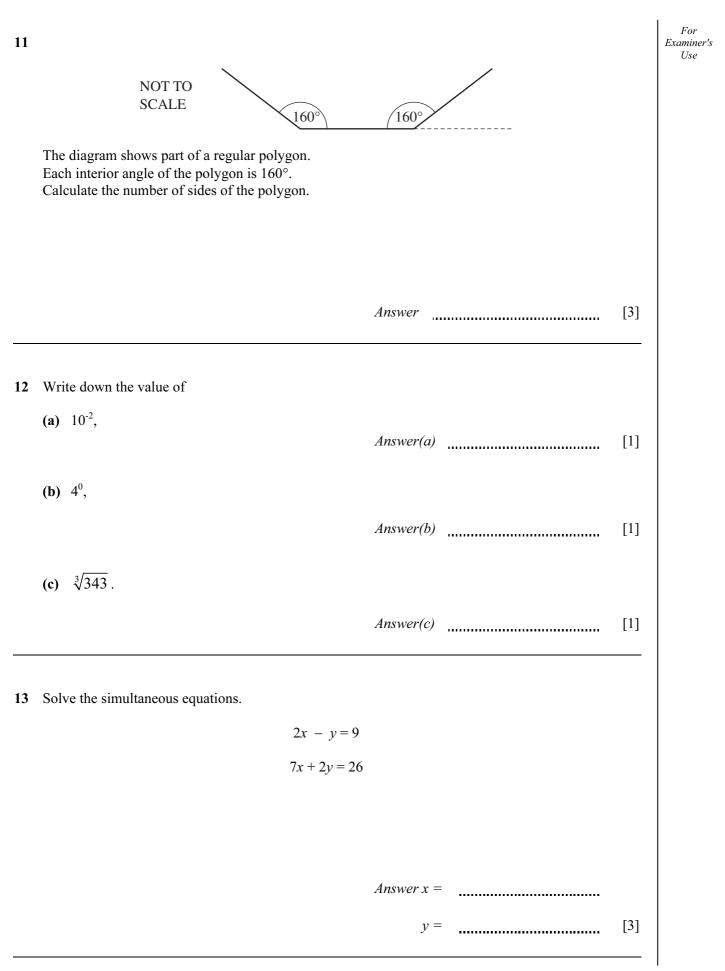




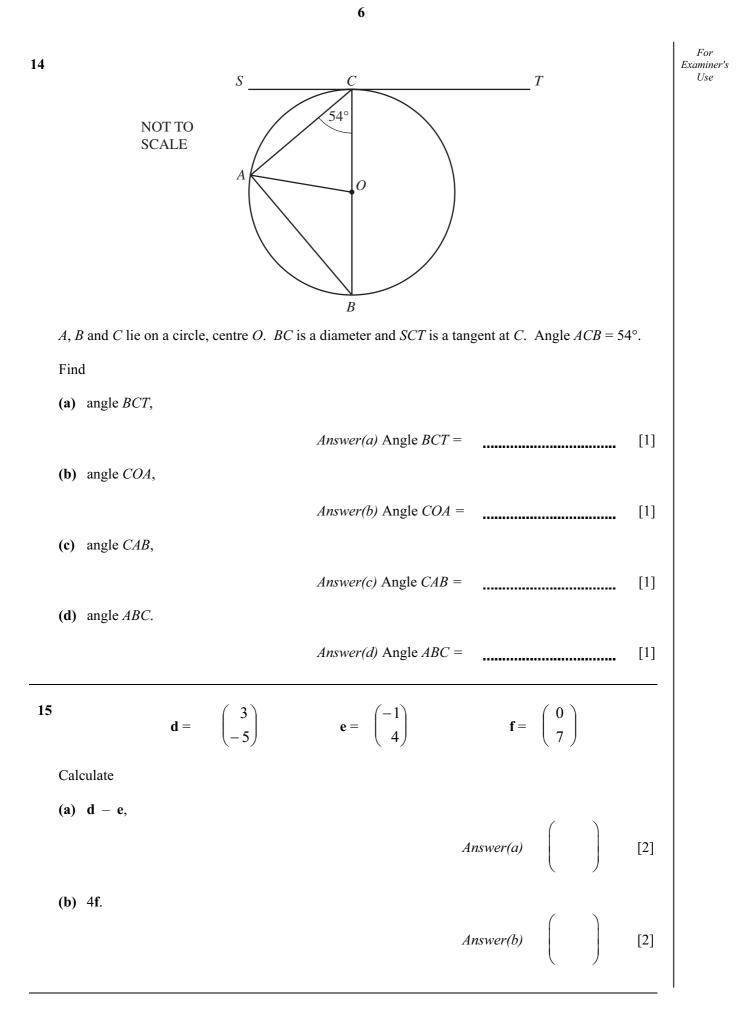
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For

Use



0580/11/M/J/10



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16 Complete the information about each shape.

For Examiner's Use

18	(a)	Facto	orise	3 <i>y</i> <sup>2</sup> –	7 <i>xy</i> .			Answer(a)			[1]	For Examiner's Use
	(b)	Expa	and the	e bracke	ts and sim	plify comp p(4p + 1)	bletely. 5r)+2 $r$ (6 $p$	(p+r)				
							) (1	)				
								Answer(b)			[3]	
19		Erica is tiling the floor of a rectangular room of length 3 metres and width 2.5 metres. She uses square tiles of side 25 centimetres.										
	(a)	Calcu	ulate									
		(i) how many tiles will fit along the length of the room,										
		(ii)	how n	nany tile	es she will	need altog	rether	Answer(a)(i)		•••••	[1]	
		(11)		liuny th		need ano <sub>E</sub>	,ether.					
								Answer(a)(ii)			[2]	
	(b)	Work	k out t	he area	of <b>one til</b> e	e						
		(i)	in squ	are cent	imetres,							
		(!!)						Answer(b)(i)		cm <sup>2</sup>	[1]	
		(11)	ın squ	are met	res.							
								Answer(b)(ii)		m <sup>2</sup>	[1]	

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