

UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS International General Certificate of Secondary Education

	CANDIDATE NAME							
	CENTRE NUMBER		CANDIDATE NUMBER					
* 1 7	MATHEMATICS		0580/13					
7 2 7 9	Paper 1 (Core)		May/June 2010 1 hour					
4 3	Candidates answer on the Question Paper.							
591*	Additional Material	Is: Electronic Calculator Geometrical Instruments	Mathematical tables (optional) Tracing paper (optional)					

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 π , 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.

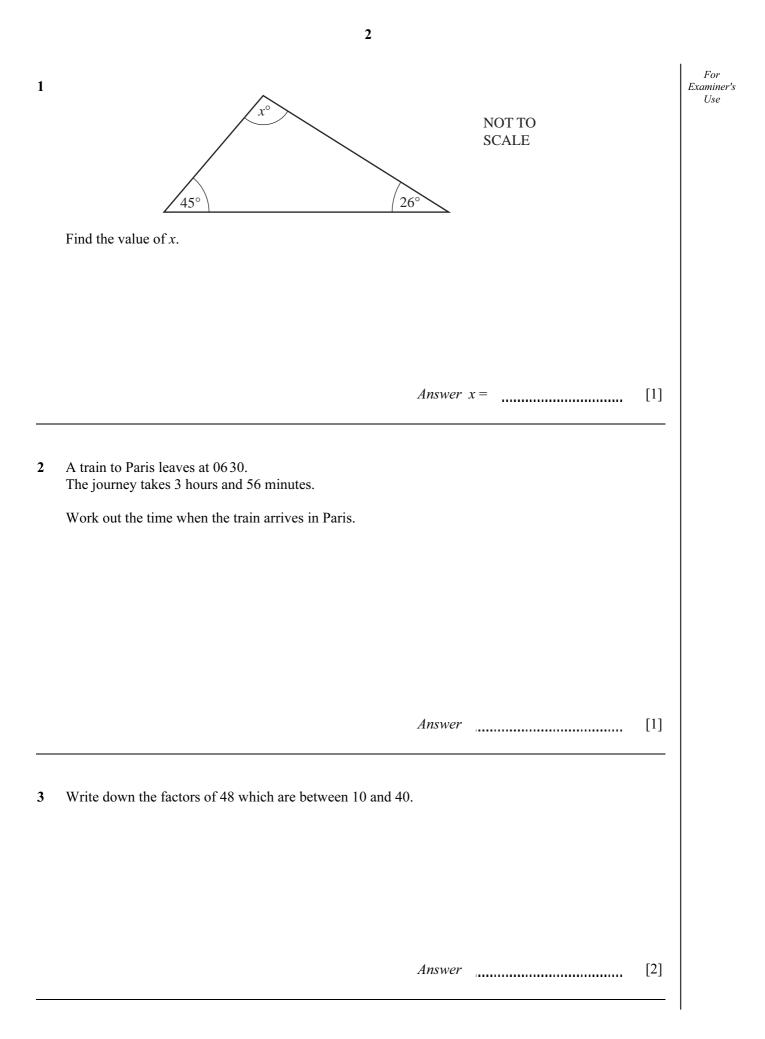
This document consists of ${\bf 11}$ printed pages and ${\bf 1}$ blank page.



UNIVERSITY of CAMBRIDGE International Examinations

[Turn over







4					<	=		>						For Examiner's Use
	For each part, choose a symbol from those above to make a correct statement.													
	(a)	$\frac{5}{9}$		0.55									[1]	
	(b)	66%		$\frac{2}{3}$									[1]	
5			price of a ereduction											
						C	•							
								Answer				%	[2]	
6	Wr	ite down 1	the equation	on of the li	ne, parall	el to $y = 1$								
			_		-			_			_			
								Answer					[2]	

0580/13/M/J/10

7	Mrs Duval makes one litre of ice cream. She eats $\frac{1}{8}$ litre and her children eat $\frac{3}{5}$ litre. Without using your calculator, find what fraction of a litre of ice cream is left. Show all your working clearly.	For Examiner's Use
	Answer [2]	
8	(a) Use your calculator to work out $27.4 \times (3.28 + 1.6 \times 9.8)$. Write down all the figures from your calculator display.	
	<i>Answer(a)</i> [1] (b) Write your answer to part (a) correct to 3 significant figures.	
	<i>Answer(b)</i> [1]	
9	Calculate the area of a circle of radius 3.75 cm.	
	Answer cm^2 [2]	

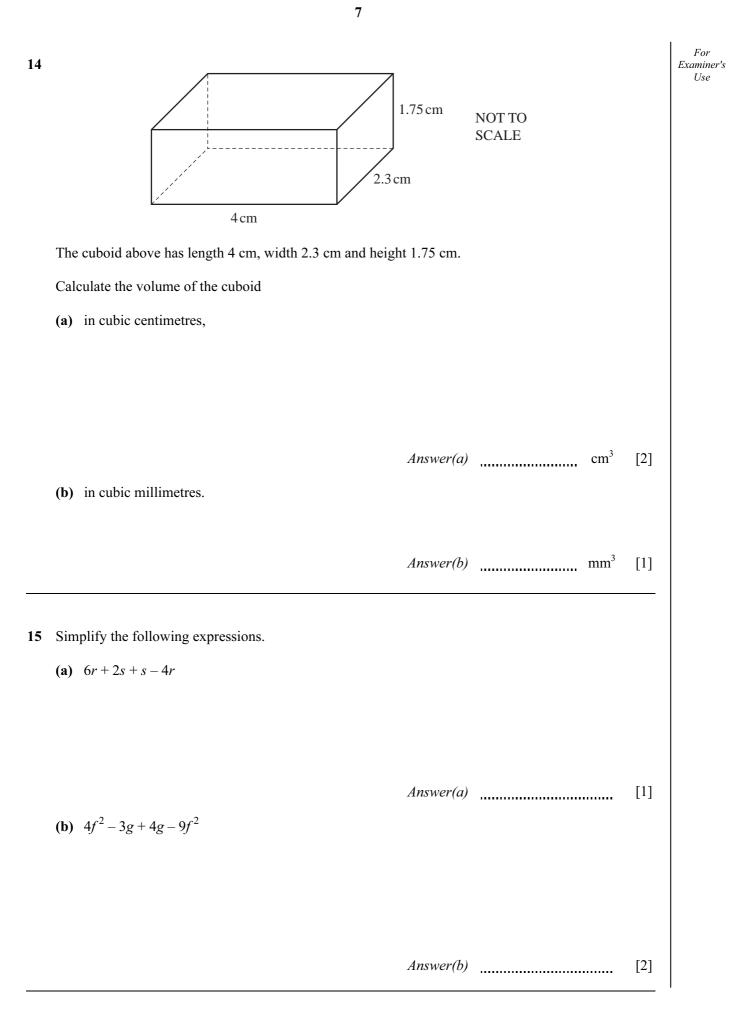
0580/13/M/J/10

WW_XTREMEPHP

12

13

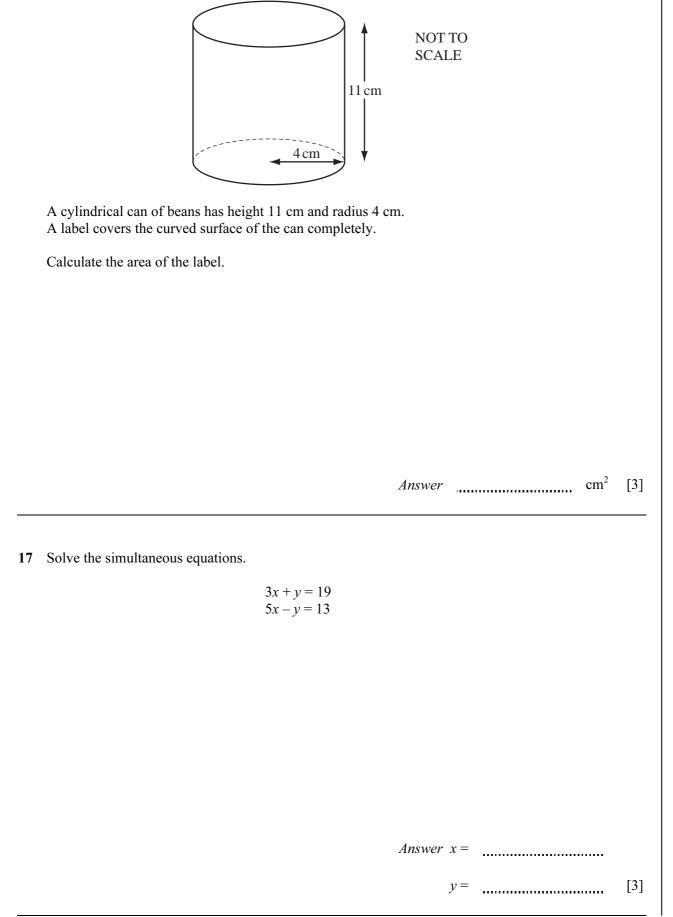
0580/13/M/J/10



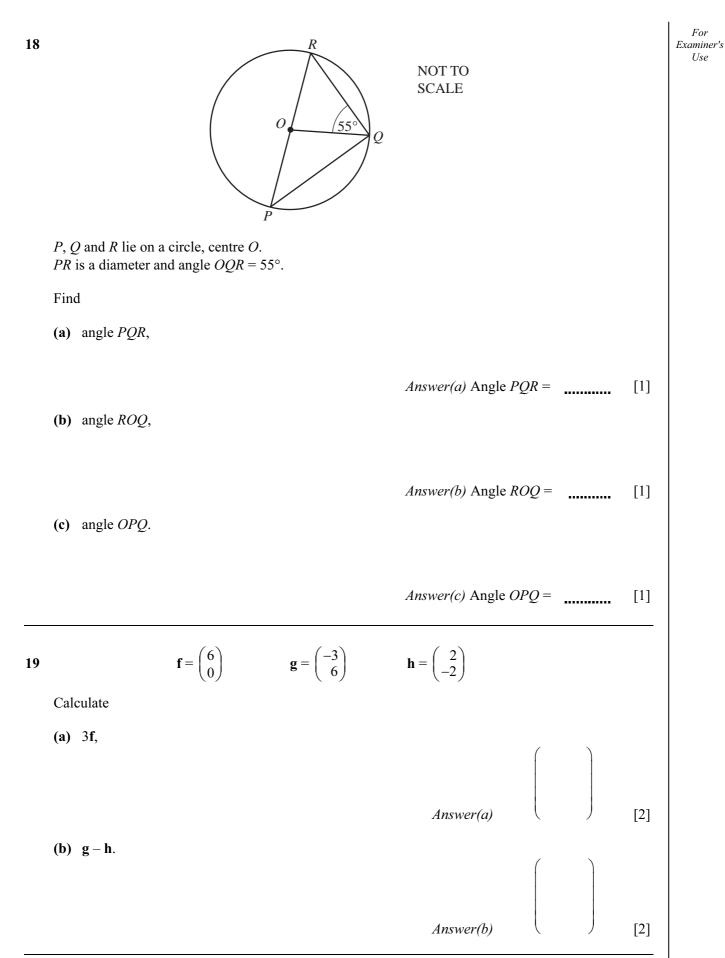
NWW_XTREMEPAPERS_NET

[Turn over

For Examiner's Use

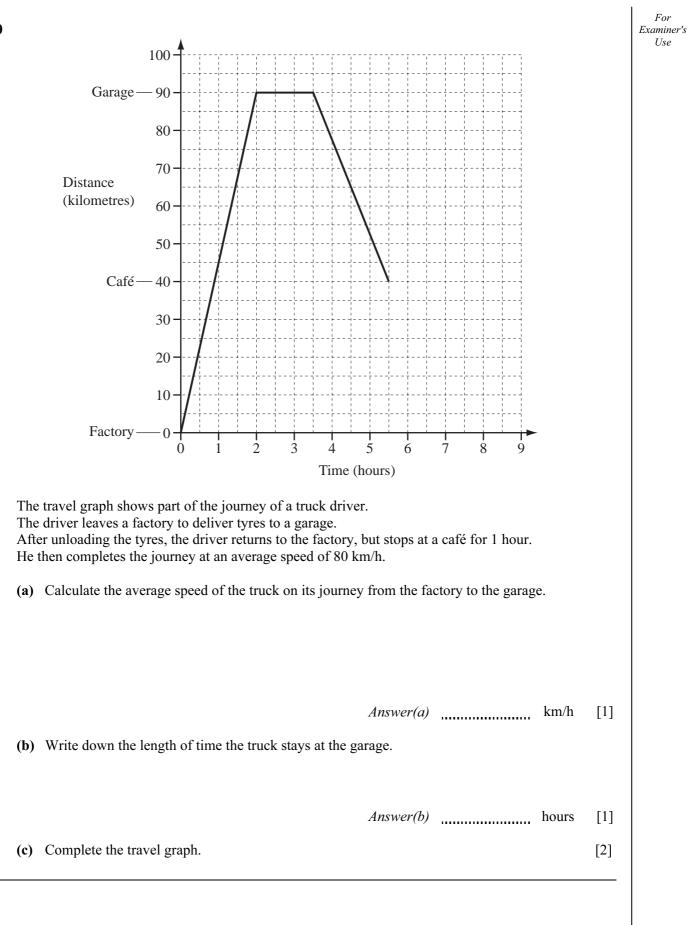


0580/13/M/J/10

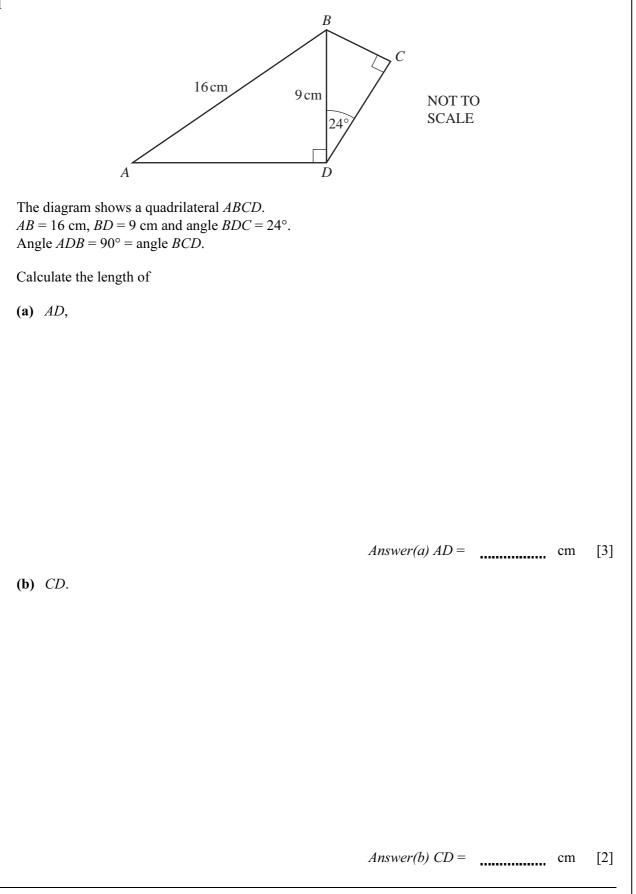


[Turn over

NWW_XTREMEPHPERS_NET



0580/13/M/J/10



0580/13/M/J/10

BLANK PAGE

Permission to reproduce items where third-party owned material protected by copyright is included has been sought and cleared where possible. Every reasonable effort has been made by the publisher (UCLES) to trace copyright holders, but if any items requiring clearance have unwittingly been included, the publisher will be pleased to make amends at the earliest possible opportunity.

University of Cambridge International Examinations is part of the Cambridge Assessment Group. Cambridge Assessment is the brand name of University of Cambridge Local Examinations Syndicate (UCLES), which is itself a department of the University of Cambridge.

0580/13/M/J/10