		UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS International General Certificate of Secondary Education	www.titemepapers.com
	CANDIDATE NAME		
	CENTRE NUMBER	CANDIDATE NUMBER	
* 5 5	CAMBRIDGE I	NTERNATIONAL MATHEMATICS	0607/01
6 4	Paper 1 (Core)	October/	November 2010
2 3			45 minutes
5 2	Candidates and	swer on the Question Paper	
	Additional Mate	rials: Geometrical Instruments	

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.

6

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

You may use a pencil for any diagrams or graphs.

DO NOT WRITE IN ANY BARCODES.

Answer all the questions.

CALCULATORS MUST NOT BE USED IN THIS PAPER.

All answers should be given in their simplest form.

You must show all the relevant working to gain full marks and you will be given marks for correct methods even if your answer is incorrect.

The number of marks is given in brackets [] at the end of each question or part question.

The total number of marks for this paper is 40.

For Examiner's Use				

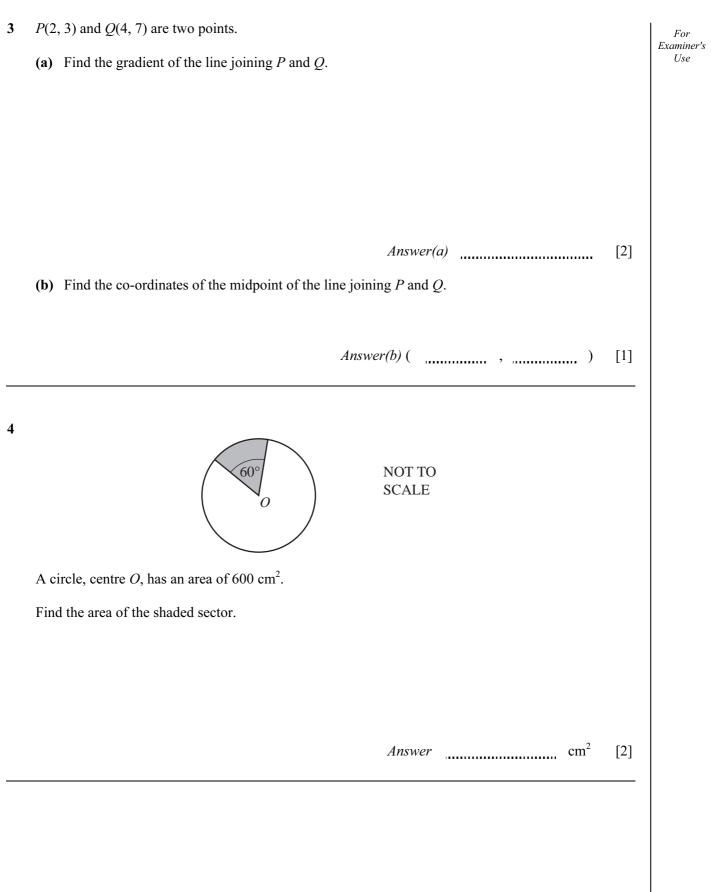
This document consists of **10** printed pages and **2** blank pages.

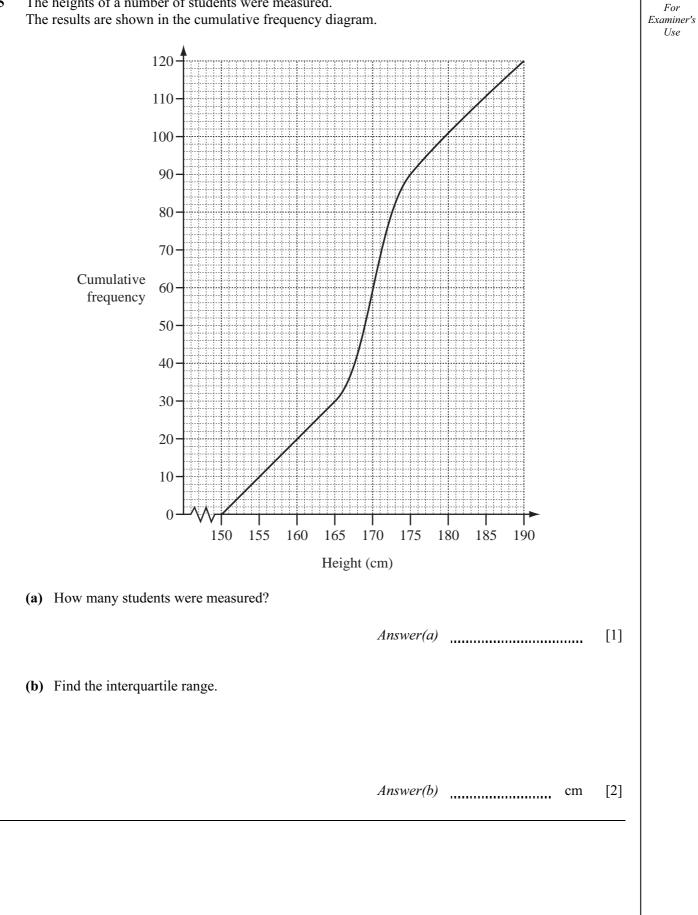


Formula List

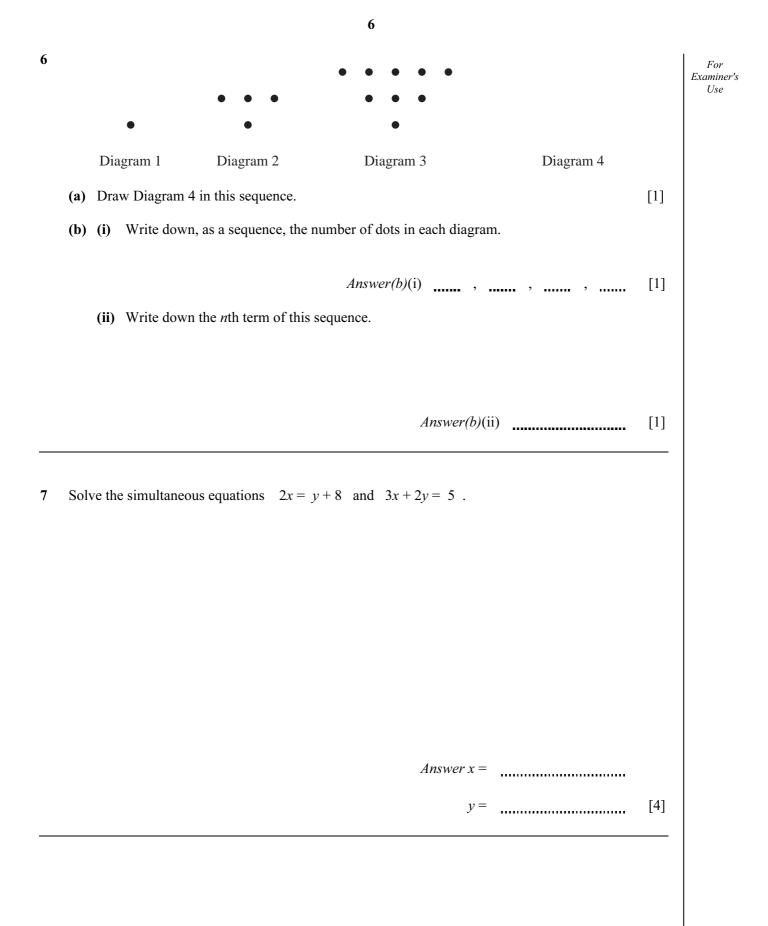
Area, A , of triangle, base b , height h .	$A = \frac{1}{2}bh$
Area, A, of circle, radius r.	$A = \pi r^2$
Circumference, C , of circle, radius r .	$C = 2\pi r$
Curved surface area, A , of cylinder of radius r , height h .	$A = 2\pi rh$
Curved surface area, A , of cone of radius r , sloping edge l .	$A = \pi r l$
Curved surface area, A , of sphere of radius r .	$A=4\pi r^2$
Volume, <i>V</i> , of prism, cross-sectional area <i>A</i> , length <i>l</i> .	V = Al
Volume, V , of pyramid, base area A , height h .	$V = \frac{1}{3}Ah$
Volume, V , of cylinder of radius r , height h .	$V = \pi r^2 h$
Volume, V , of cone of radius r , height h .	$V = \frac{1}{3}\pi r^2 h$
Volume, V , of sphere of radius r .	$V = \frac{4}{3}\pi r^3$

1	(a)	Answer all the ques Find the lowest common multiple of 6 and 9.	tions.		For Examiner's Use
	(b)	Work out $5^2 - 2^3$.	Answer(a)	[1]	
			Answer(b)	[2]	
2	(a)	Samir and Josef divide \$250 in the ratio 2 : 3. Calculate how much money each receives.			
	(b)	A recipe for 3 people needs 600 g of pasta. Work out how much pasta is needed for 8 people.	<i>Answer(a)</i> Samir \$ Josef \$	[2]	
			Answer(b) g	[2]	



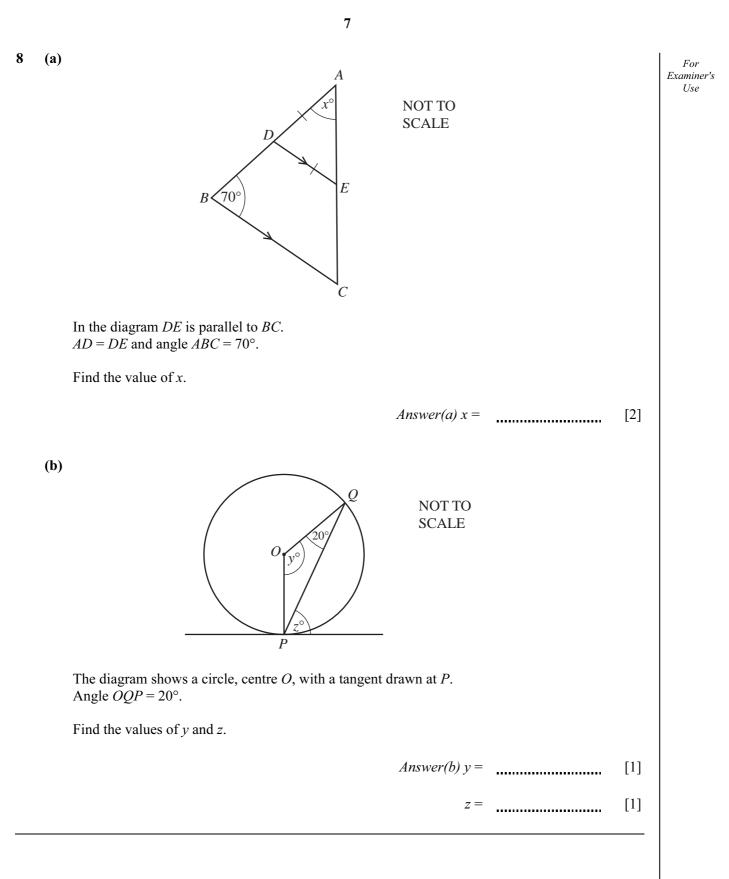


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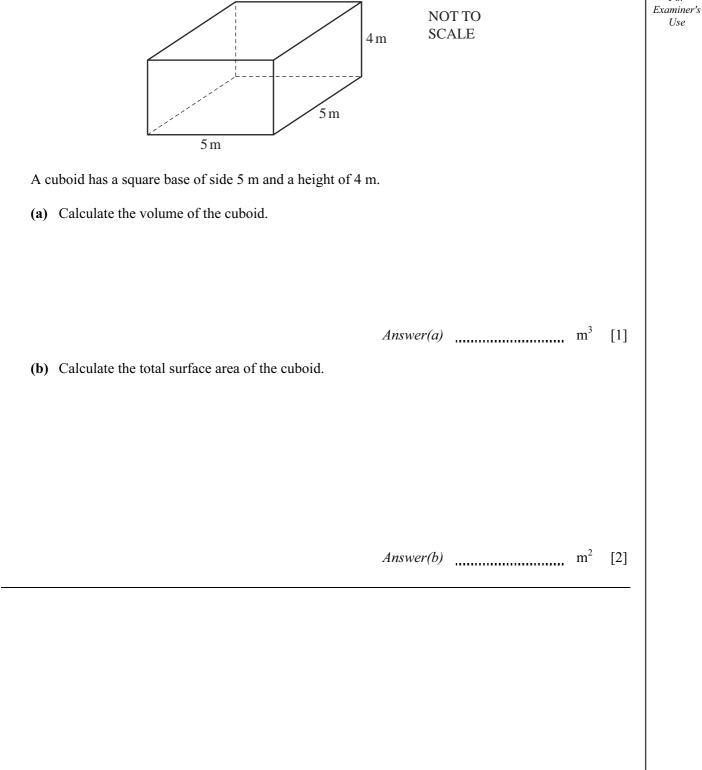


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0607/01/O/N/10



9	(a)	Expand the brackets and simplify. 3(x - y) - 2(x - 5y)	For Examiner's Use
	(b)	Answer(a) [2] Factorise completely. $3x^2 + 9xy^2$	
	(c)	Answer(b)	
		<i>Answer(c)</i> [2]	



For

Use

Student	Α	В	С	D	E	F	G	Н
Test 1	25	20	40	25	50	20	30	40
Test 2	30	25	35	25	40	30	35	40
e table sho e marks for								
	40						;	×
	30 -			* *		*		
Test 2	2 20-			* *				
	10-							
	0	1	0	20	30	40	5	50
				Tes	st 1			
On the di				ents G and	l H.			
The mean	n for Test	1 is 31.25						
Calculate	e the mean	1 for Test 2	2.					
					Answ	ver(b)		
Plot the r	nean poin	t on the sc	atter diagr	am.				

10

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