	UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIO International General Certificate of Secondary Education	NS Utrapapers.c
CANDIDATE NAME		
CENTRE NUMBER	CANDIDATE	
CAMBRIDGE	NTERNATIONAL MATHEMATICS	0607/11
Paper 1 (Core)		May/June 2012
		45 minutes
Candidates an	swer on the Question Paper	
Additional Mate	erials: 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.

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	
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This document consists of 9 printed pages and 3 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, <i>C</i> , of circle, radius <i>r</i> .	$C = 2\pi r$
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, V , of prism, cross-sectional area A , length l .	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 .	$V = \frac{4}{3}\pi r^3$

2

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			Mark Way	trapape
			3	6
		Answer	all the questions.	aCam
1 (a	a)	Work out $(4 - 7)^2$.		orig
			Answer (a)	[1]
(b	b)	Write down the value of $\sqrt{144}$.		
			Answer (b)	[1]
	、	W/// 0.00704520	, c.	
2 (a	a)	write 0.00/24538 correct to 3 significan	it figures.	
			Answer (a)	[1]
(b	b)	Write your answer to part (a) in standard	form.	
			Answer (b)	[1]
3 (a	a)	Write down the first three multiples of 6.		
			Answer (a),	[1]
(b	b)	Find the lowest common multiple of 6 and	d 15.	
			Answer (b)	[2]

4 In the Venn diagram shade the region $A \cap B'$.



5 Peter buys one ticket in the school raffle. The school sells 1000 tickets. The winning ticket is drawn at random.
What is the probability that Peter does **not** have the winning ticket?

Answer [2]

For iner's

[1]







,	Lucy The	counts	s the nun r of word	ber of v ls in eac	vords ir h senter	n each se	entence c own belo	of a film ow.	review.				am
		7	8	12	7	9	11	4	12	8	12		
ł	Find												
((a)	the mo	de,										
							Ansı	wer (a) "				•••••	[1]
	(b)	the me	an,										
							Ansi	wer (b)					[2]
	(c)	the ran	ge.										
							Ans	wer (c) "					[1]
(One A rao	lap of t	he Melb iver com	ourne G pletes a	rand Pr lap in 1	ix circui .3 minut	t is 5200 tes.) metres.					
(Calc	ulate hi	is averag	e speed	in kilor	netres p	oer hour						
								1				1 /1	[2]





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