

	UNIVERSITY OF CAMBRIDGE IN International General Certificate of		bidge.com			
CANDIDATE NAME						
CENTRE NUMBER		CANDIDATE NUMBER				
MATHEMATIC	S	0581/	13			
Paper 1 (Core) October/November 2013						
		1 ho	ur			
Candidates ans	swer on the Question Paper.					
Additional Mate	erials: Electronic calculator Tracing paper (optional)	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. 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.

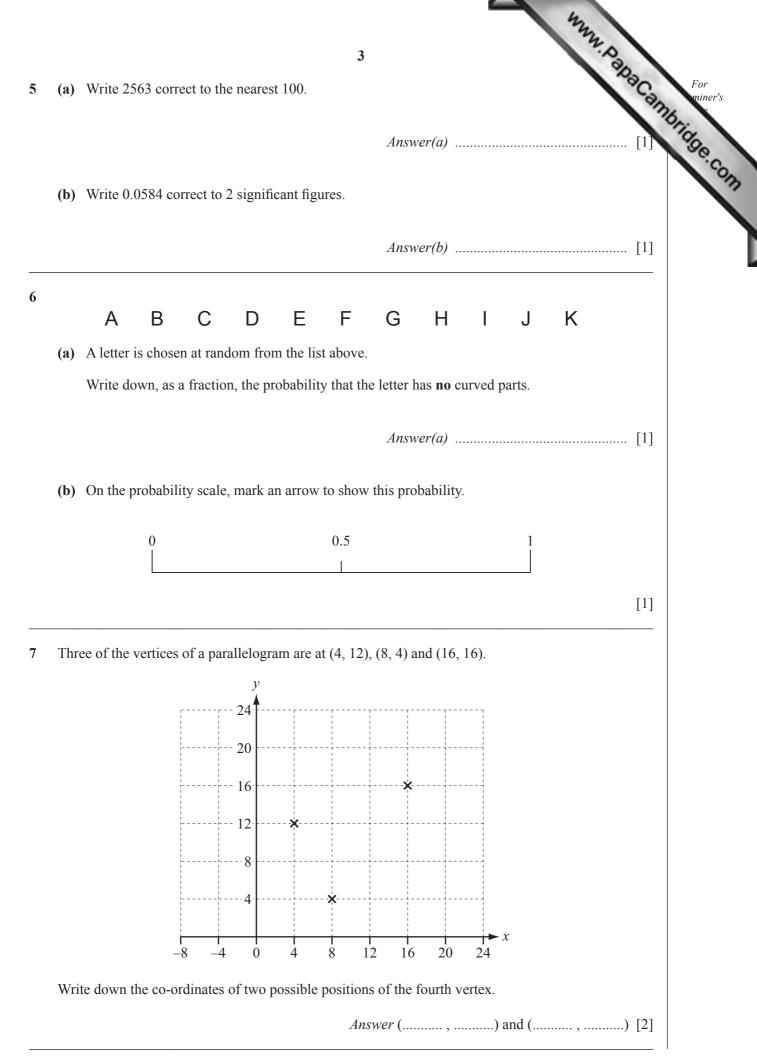
If the degree of accuracy is not specified in the question, and if the answer is not exact, give the answer to three significant figures. Give answers in degrees to one decimal place. For π , use either your calculator value or 3.142.

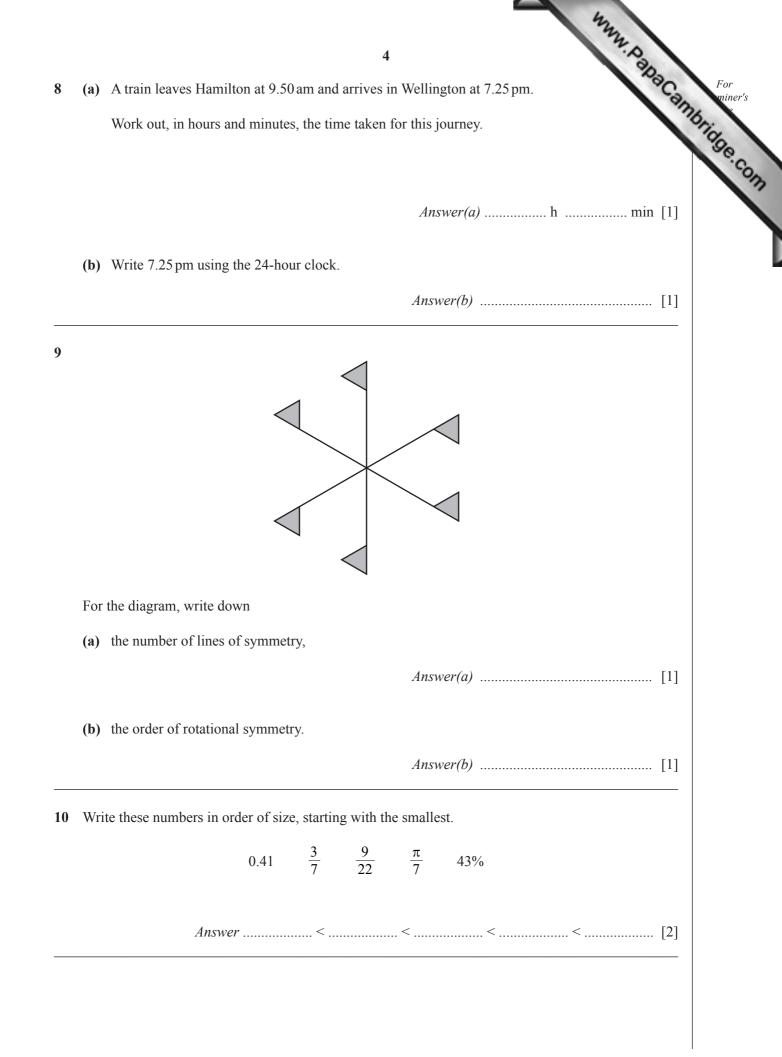
At the end of the examination, fasten all your work securely together. The number of marks is given in brackets [] at the end of each question or part question. The total of the marks for this paper is 56.

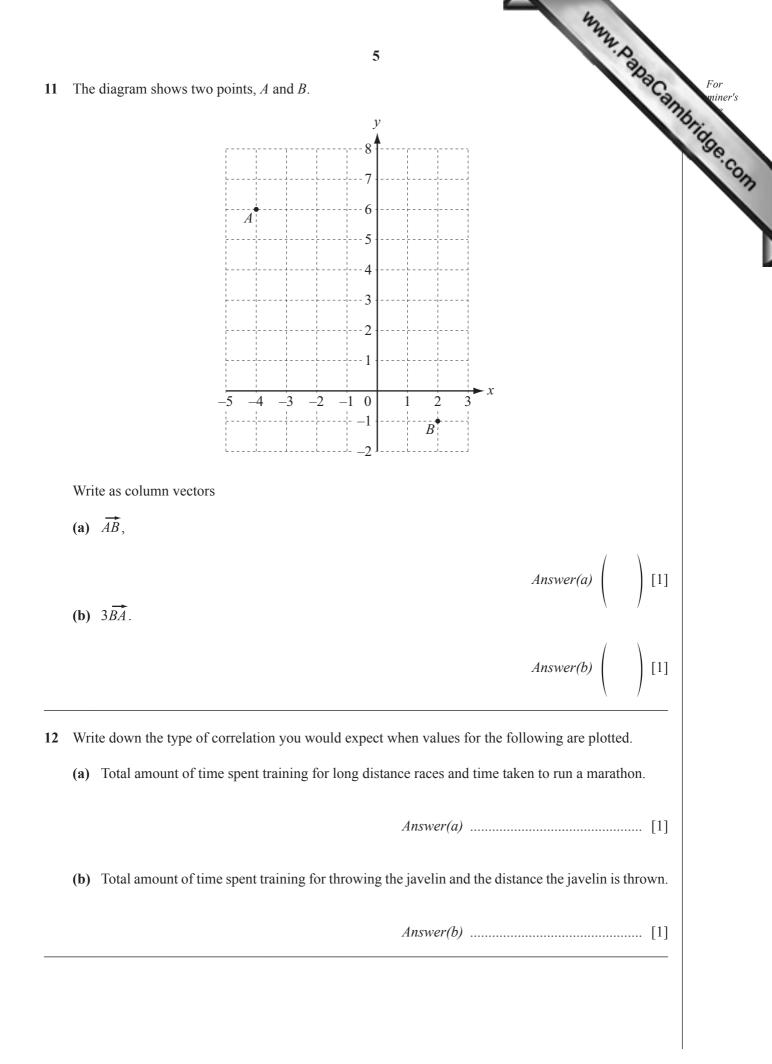
This document consists of **11** printed pages and **1** blank page.

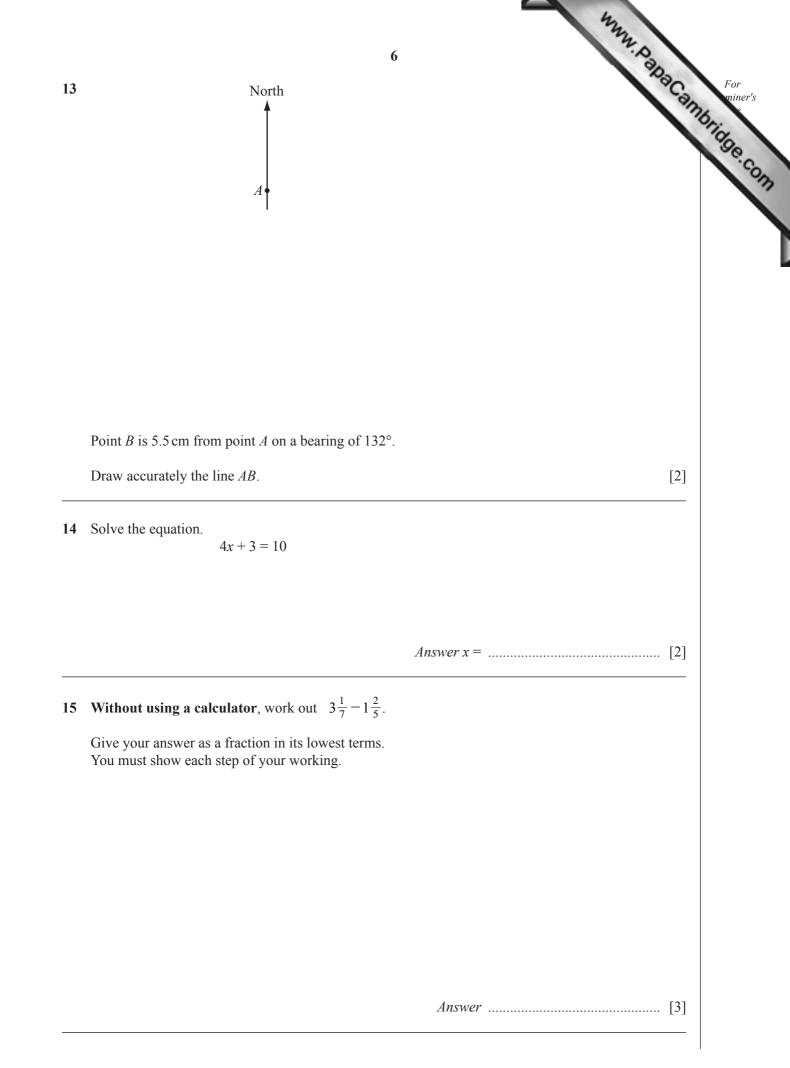


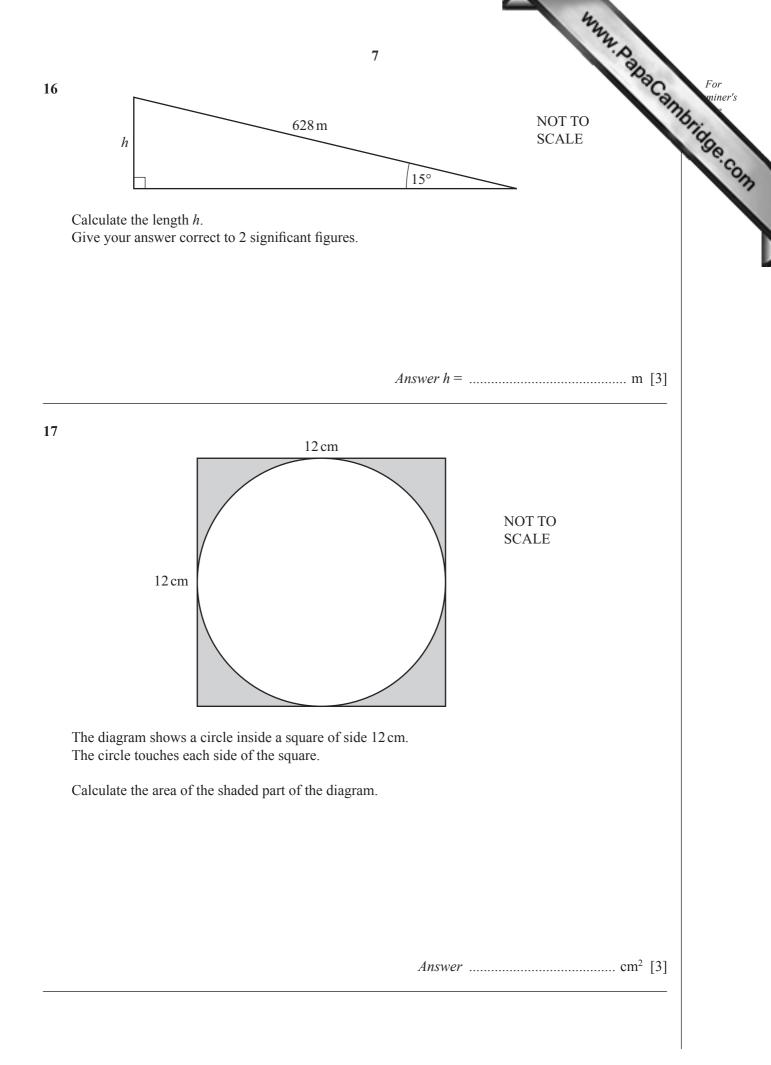
	<i>J</i>	Mon		Гие	W	ed	Thu	1	Fri		Sat	Sı	un	
Tak	tings (\$)	153		201	17	78	231		164		147	15	m part	
Find	the range.													
							A	1nswer	· \$					[1]
Facto	orise. $2a^2 -$	5a												
Answer										[1]				
The	The table shows the average monthly temperatures in Ulaanbaatar, Mongolia.													
Mon	th	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Tem	perature (°C)	-25	-30	-12	-2	6	13	17	10	7	0	-13	-22	
By h	low many degi	rees do	es the	temper	ature 1	rise bet	tween I	March	and Ju	ly?				
								Answ	er				°C	[1]
	sta had a musi 1 of the 52 less					ie year								
	ulate the total your time in l		nat Chr	ista sp	ent in 1	nusic	lessons	5.						



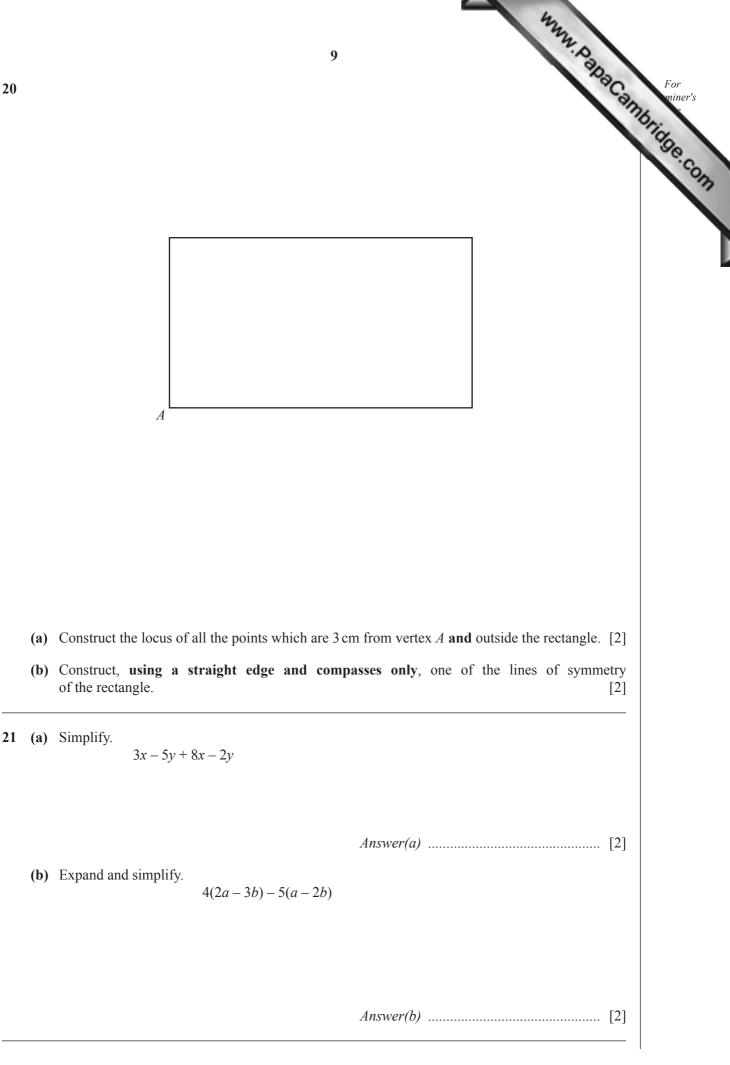


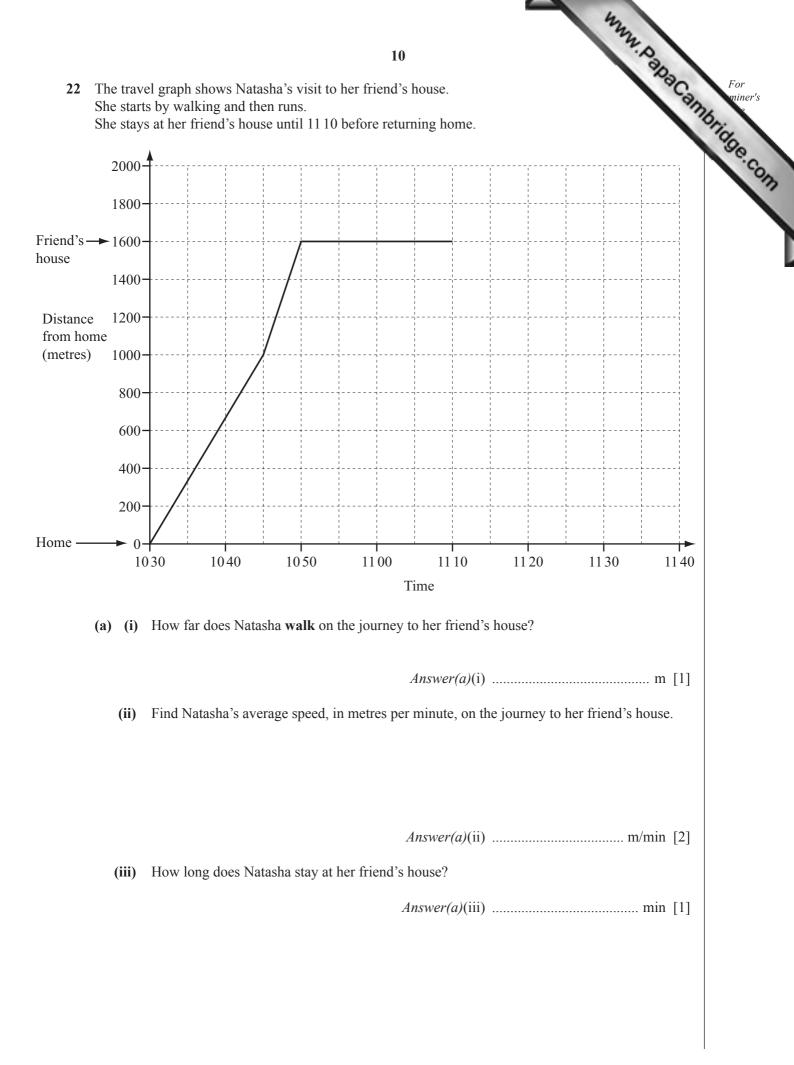


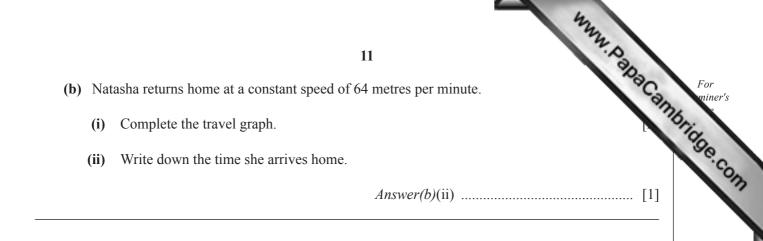




18	Solve the simultaneous equations.	8 5x + 6y = 3 4x - 3y = 18	For miner's
		Answer $x =$	
		y =[3]
		,	
19	Write the answer to the following of	alculations in standard form.	
	(a) 600 ÷ 8000		
	(b) $10^8 - 7 \times 10^6$	Answer(a) [2]
		Answer(b)[2]









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