

## 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.

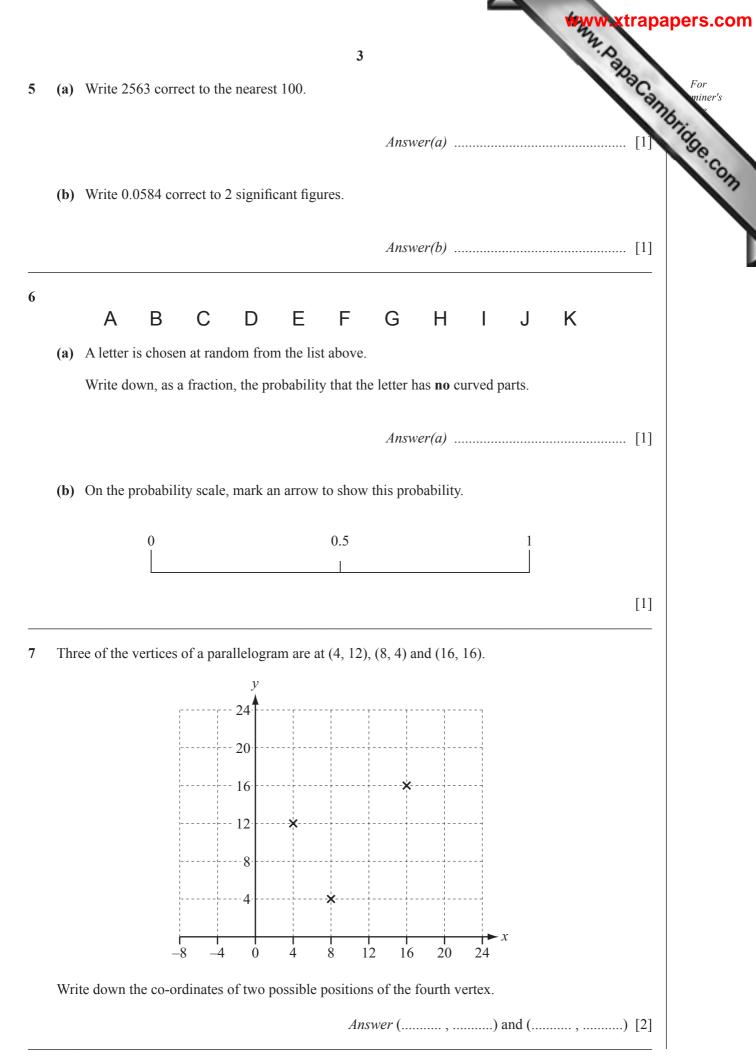
If the degree of accuracy is not specified in the question, and if the answer is not exact, give the answer to three significant figures. Give answers in degrees to one decimal place. For  $\pi$ , use either your calculator value or 3.142.

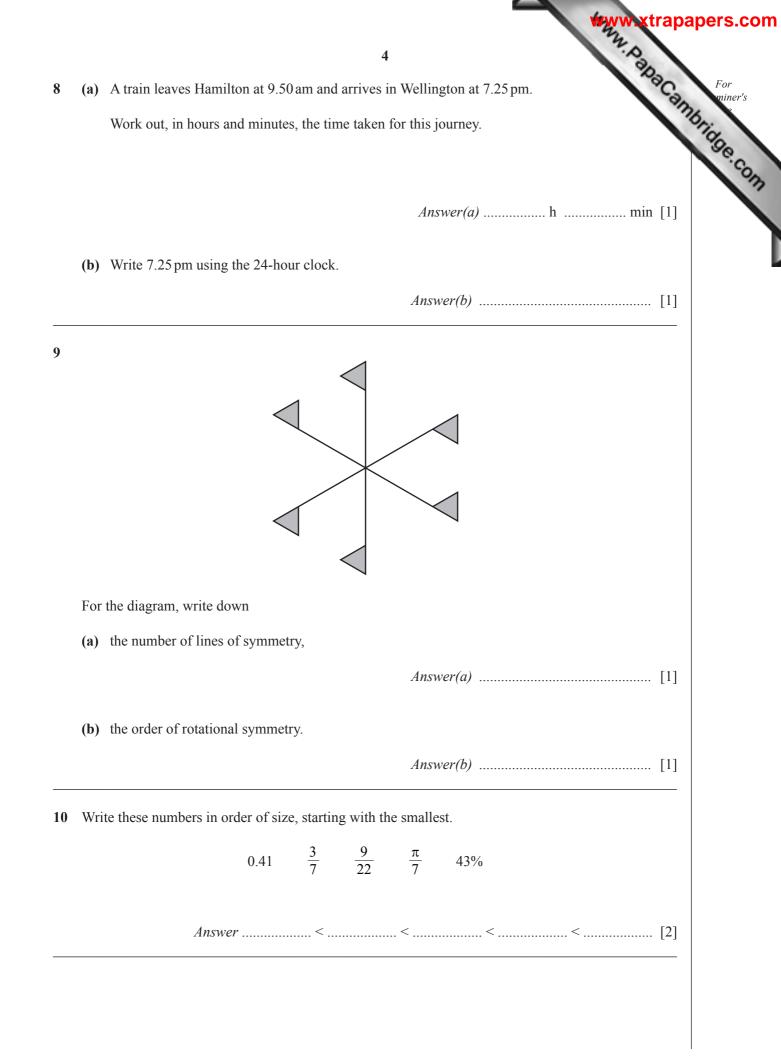
At the end of the examination, fasten all your work securely together. The number of marks is given in brackets [] at the end of each question or part question. The total of the marks for this paper is 56.

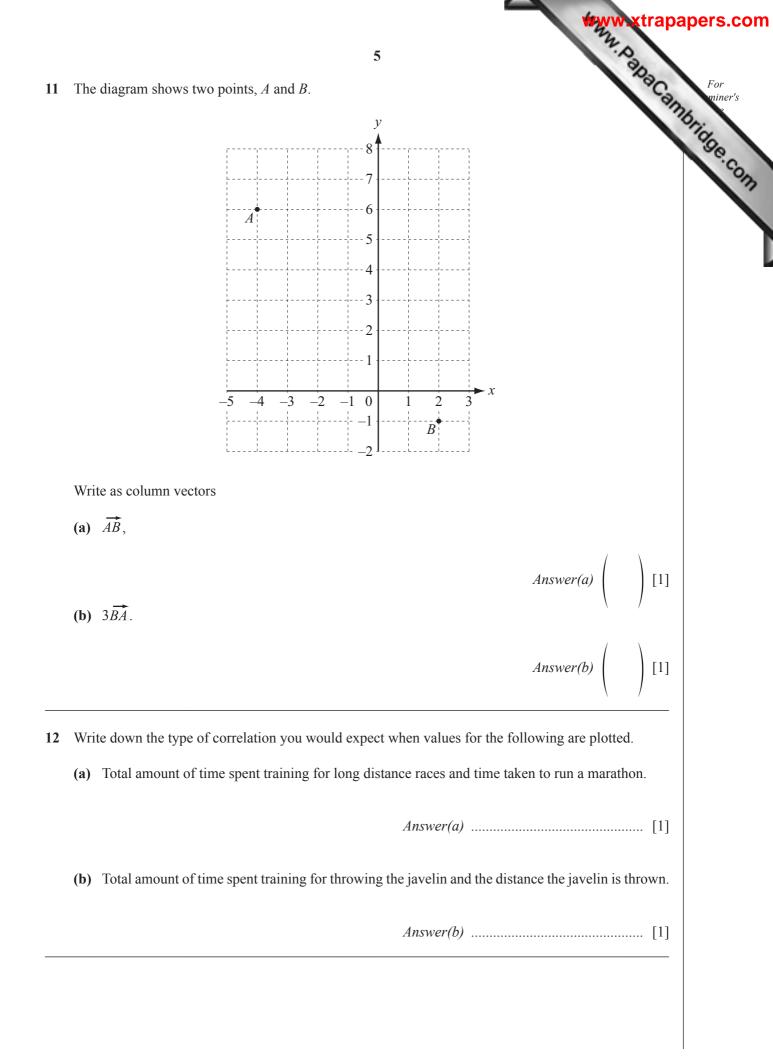
This document consists of **11** printed pages and **1** blank page.

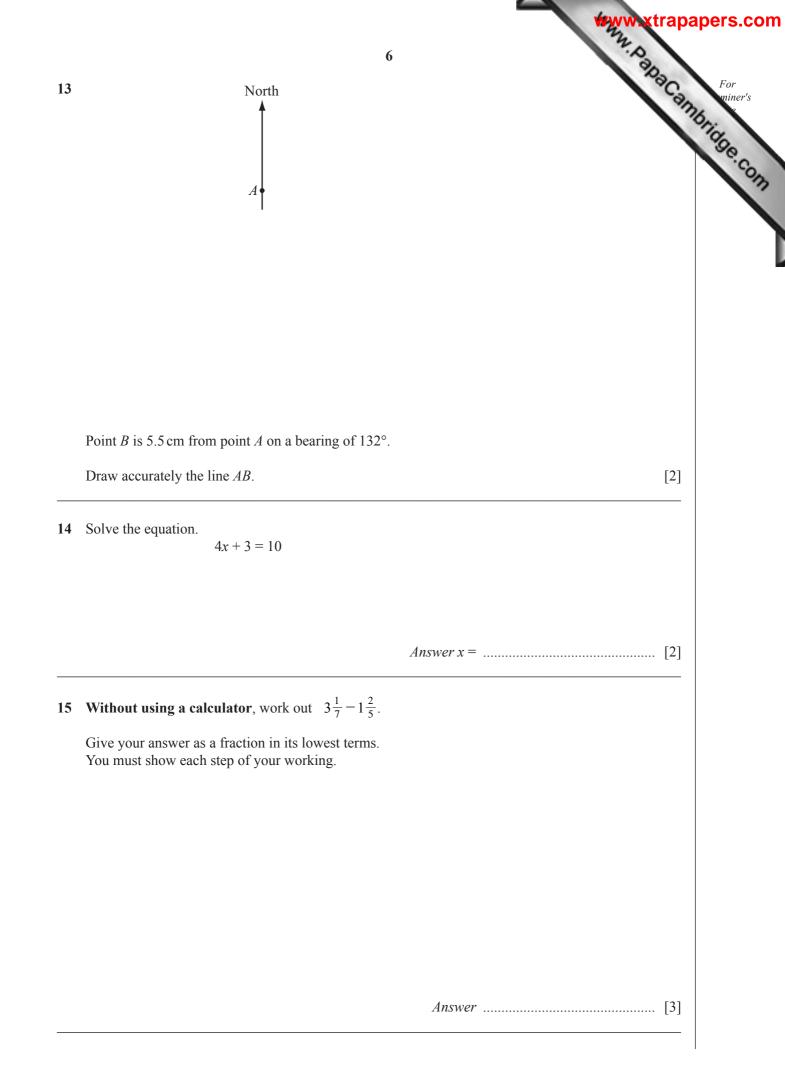


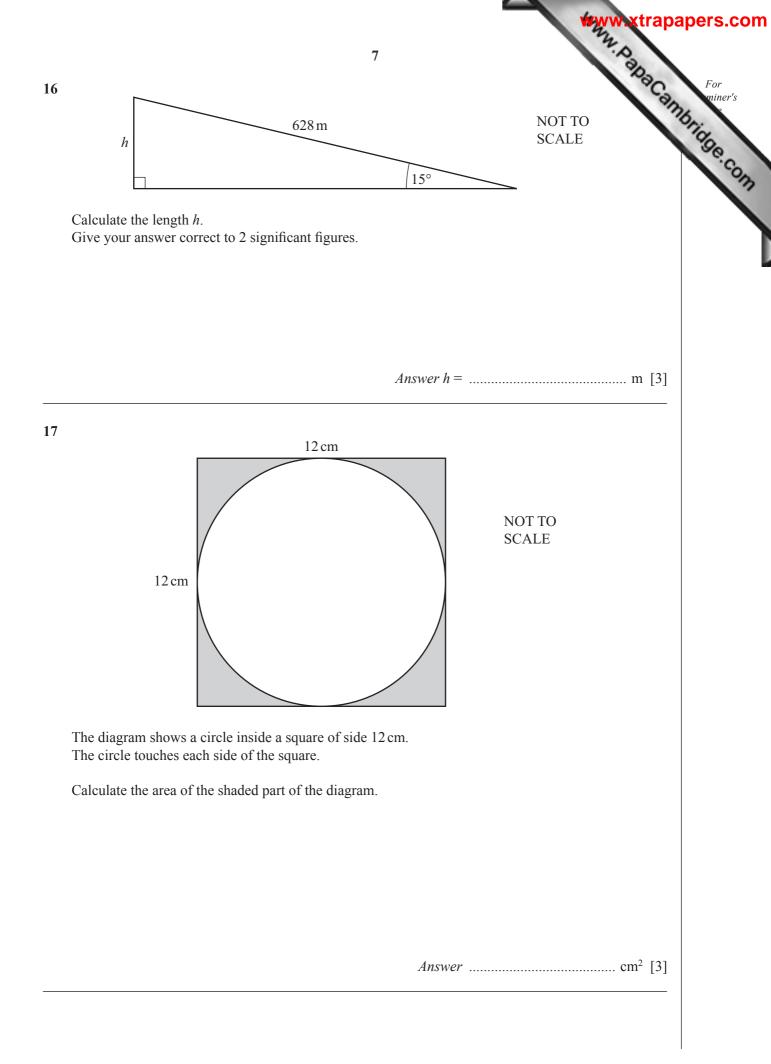
Day	Mon	Tue	W	Ved	Thu	1	Fri		Sat	Sı	ın	
Takings (\$)	153	201	1	78	231		164		147	15	In 56	
Find the range	2.											
					A	1nswer	· \$					[1]
Factorise.	$2a^2-5a$											
	Answer								[1]			
The table shows the average monthly temperatures in Ulaanbaatar, Mongolia.												
Month	Jan	Feb Ma	r Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Temperature (	(°C) –25	-30 -1	2 -2	6	13	17	10	7	0	-13	-22	
By how many	degrees do	es the tem	erature	rise be	tween I	March	and Ju	ly?				
						Answ	er				°C	[1]
Christa had a Each of the 52												
	total time th	nat Christa	spent in	music	lessons	5.						



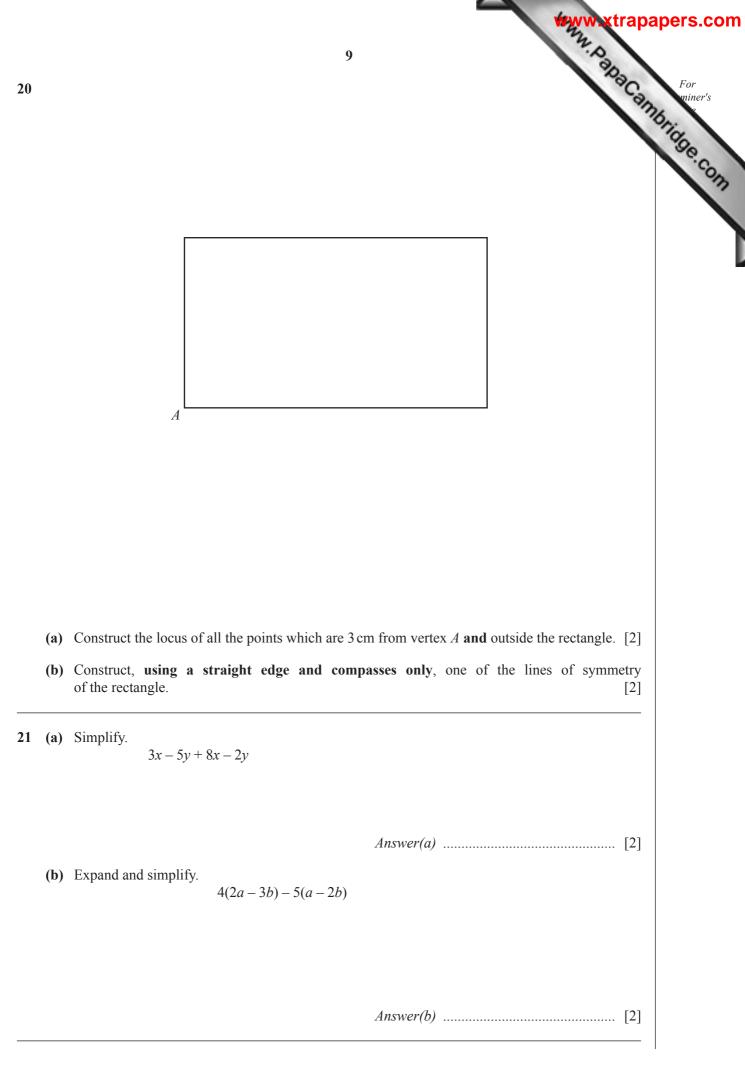


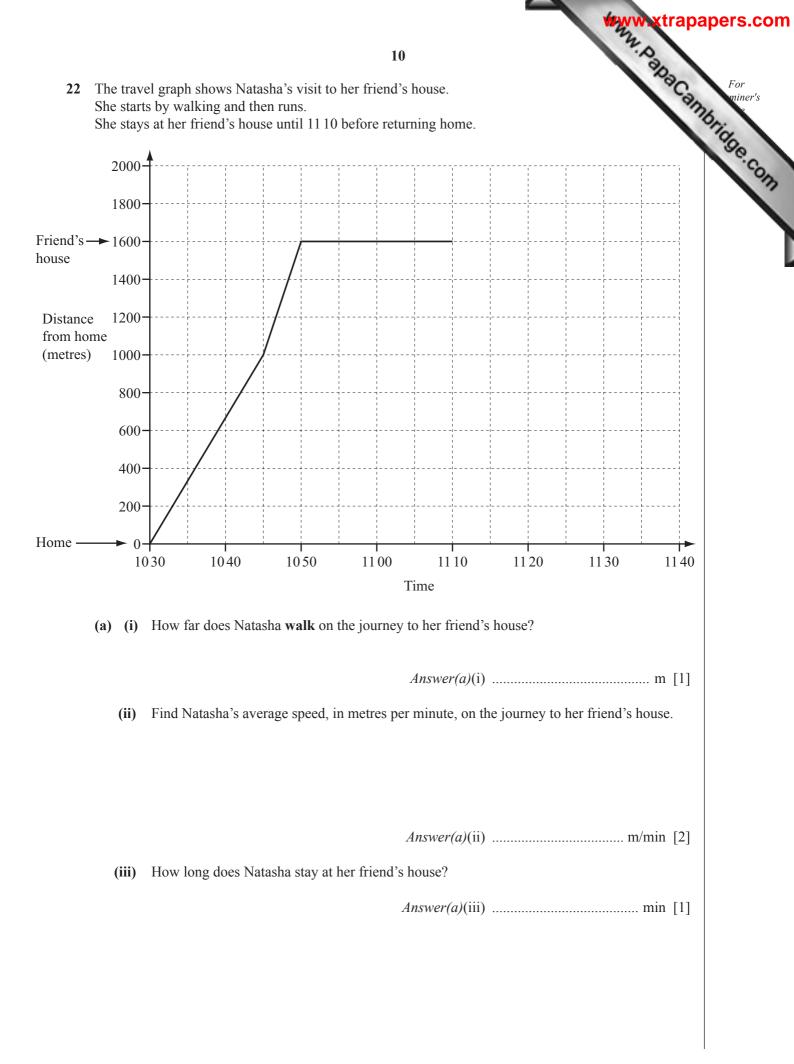


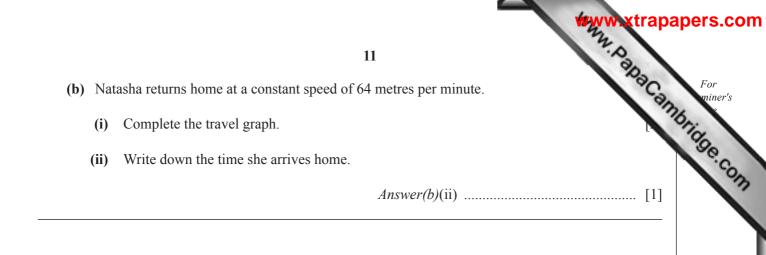




18	Solve the simultaneous equations.	5x + 6y = 3 $4x - 3y = 18$	For miner's	om
		$Answer \mathbf{r} =$		
			[3]	
19	Write the answer to the following o	alculations in standard form.		
	<b>(a)</b> 600 ÷ 8000			
	<b>(b)</b> $10^8 - 7 \times 10^6$	Answer(a)	[2]	
		Answer(b)	[2]	









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