

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.

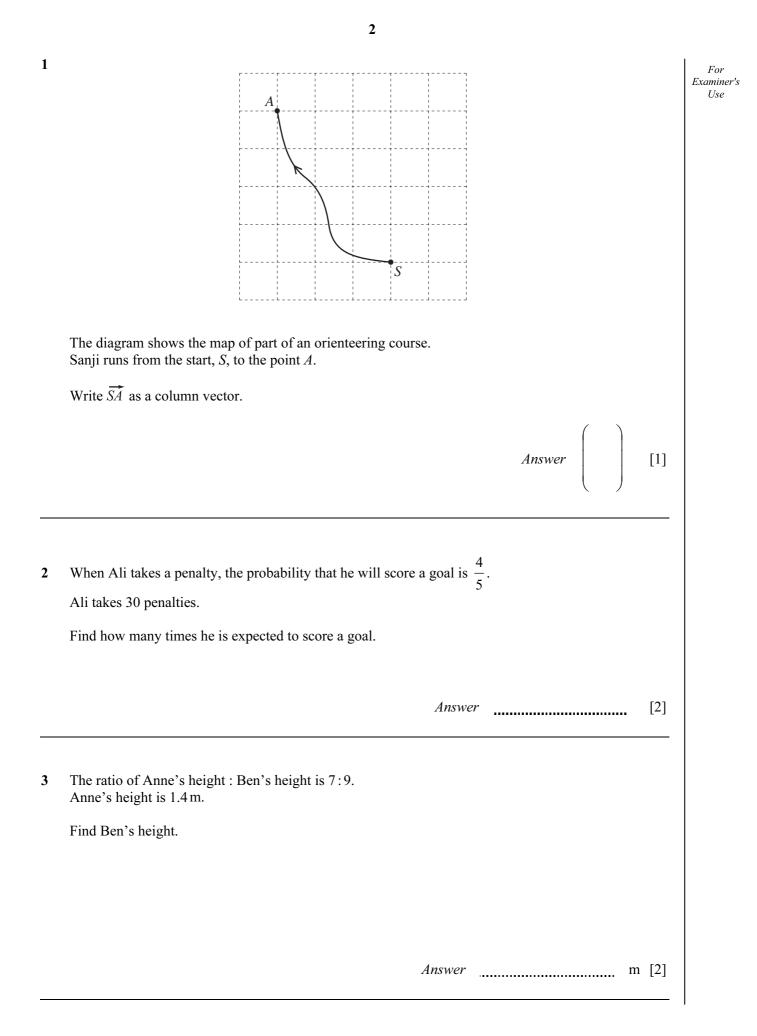
If the degree of accuracy is not specified in the question, and if the answer is not exact, give the answer to three significant figures. Give answers in degrees to one decimal place. For π , use either your calculator value or 3.142.

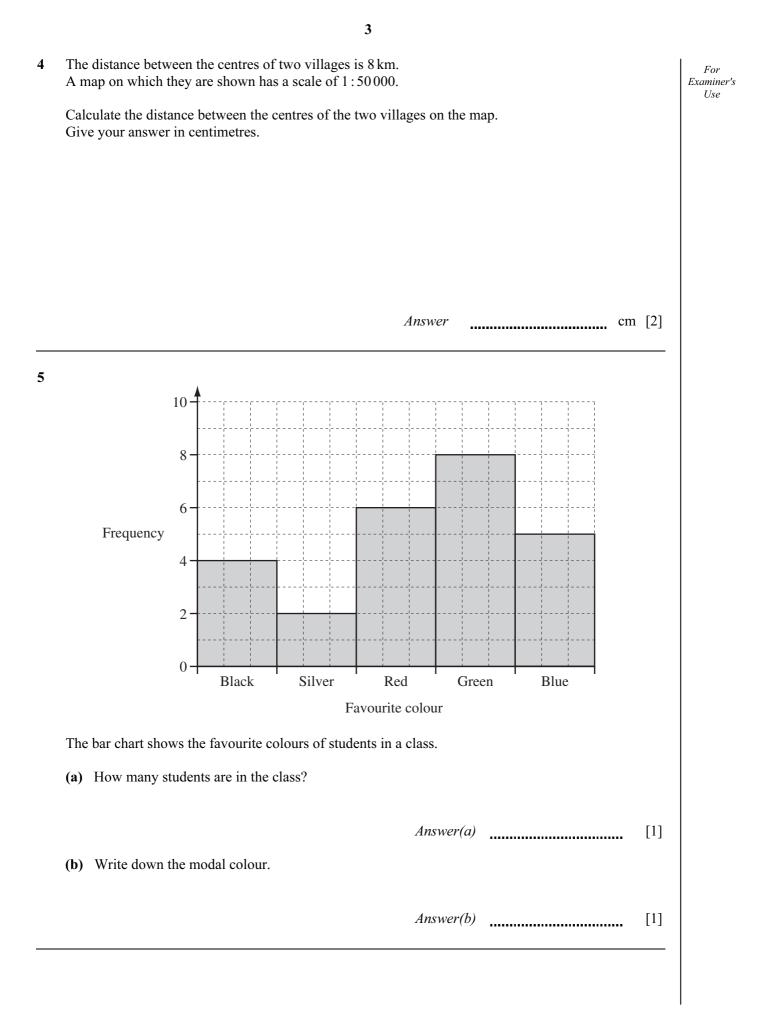
At the end of the examination, fasten all your work securely together.

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.



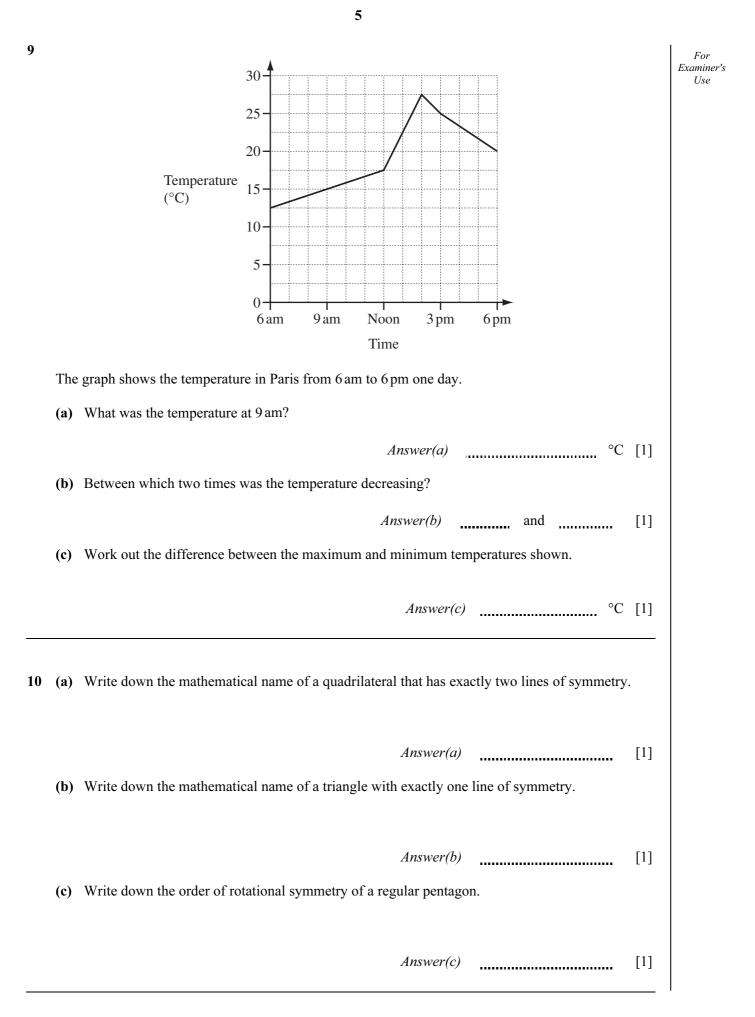




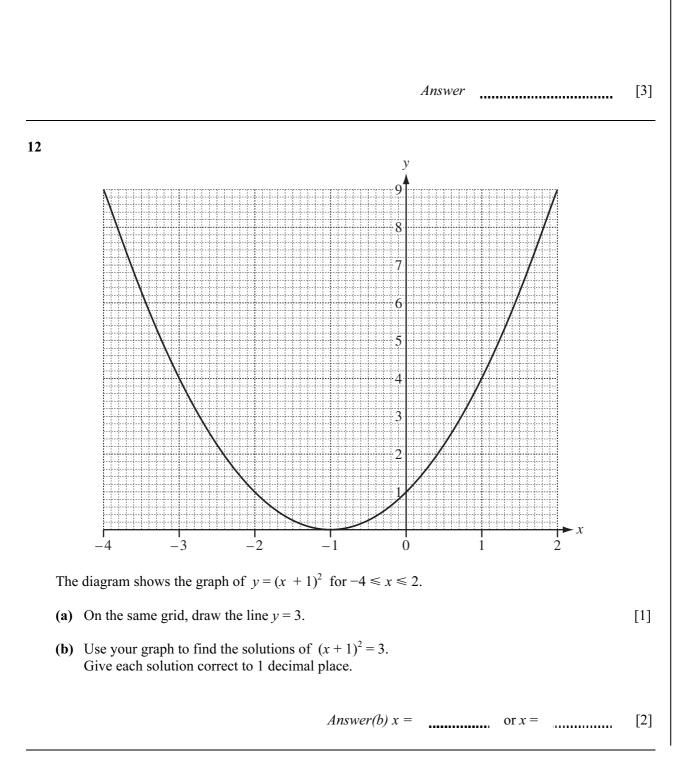
© UCLES 2011

[Turn over

6	Use your calculator to find $\sqrt{\frac{45 \times 5.75}{3.1 + 1.5}}$.	For Examiner's Use
	Answer	
7	(a) Calculate 60% of 200.	
	(b) Write 0.36 as a fraction. Give your answer in its lowest terms.	
	<i>Answer(b)</i> [2]	
8	 A circle has a radius of 50 cm. (a) Calculate the area of the circle in cm². 	
	<i>Answer(a)</i> cm ² [2] (b) Write your answer to part (a) in m ² .	
	Answer(b) m^2 [1]	

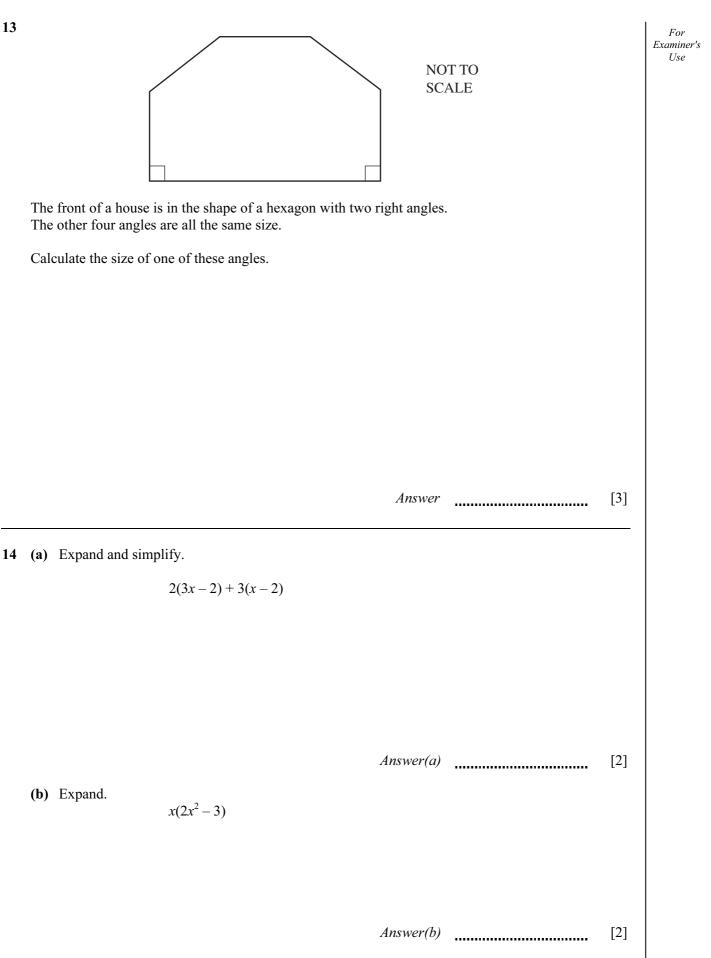


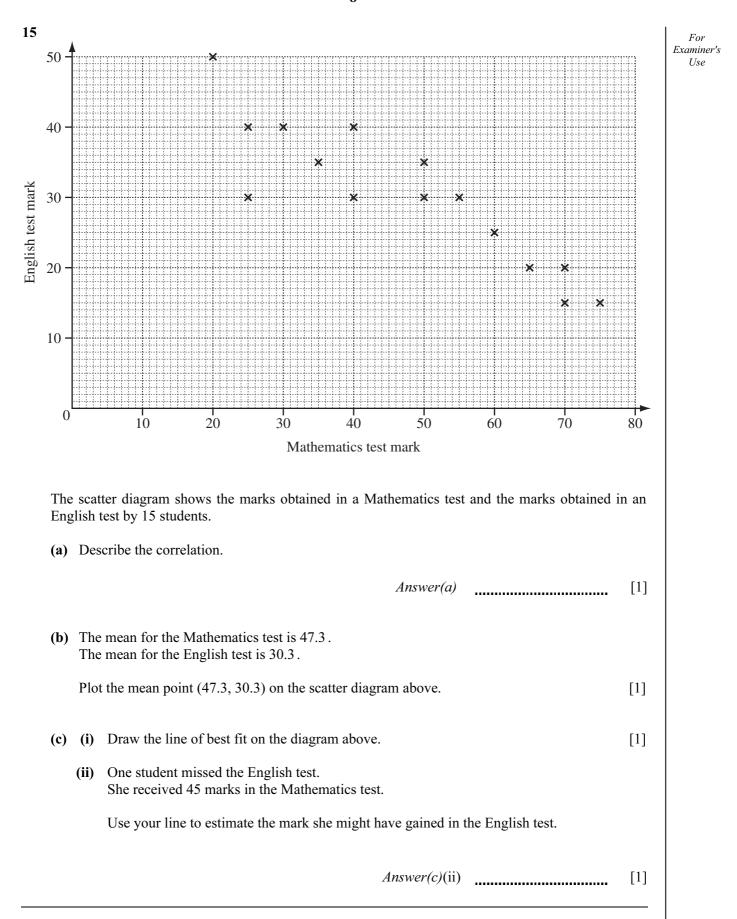
11 Without using your calculator, work out $\frac{1}{2}\left(\frac{2}{3} + \frac{1}{4}\right)$. Show all your working clearly and give your answer as a fraction.



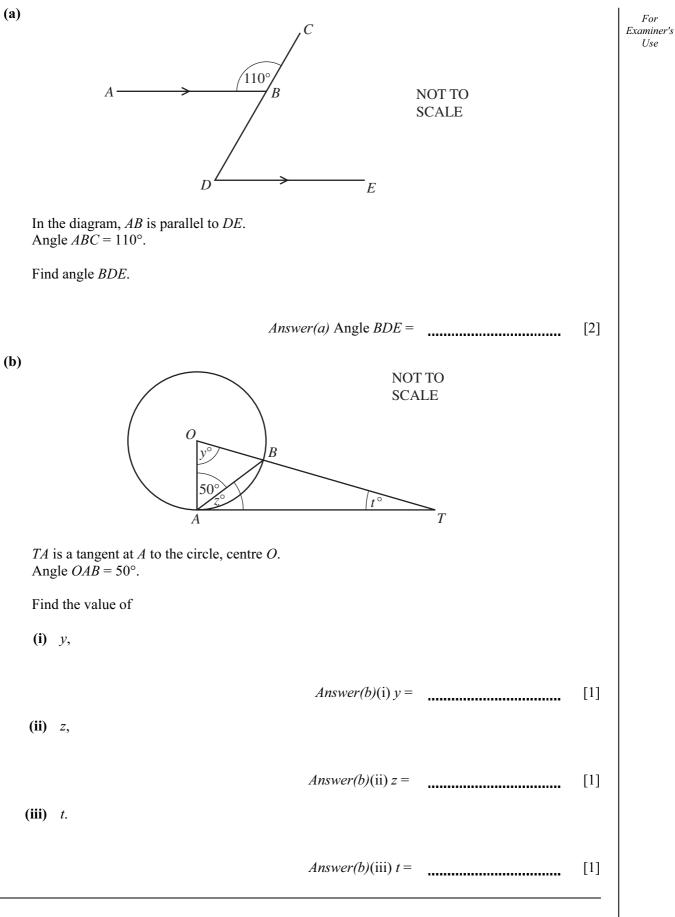
0580/11/O/N/11

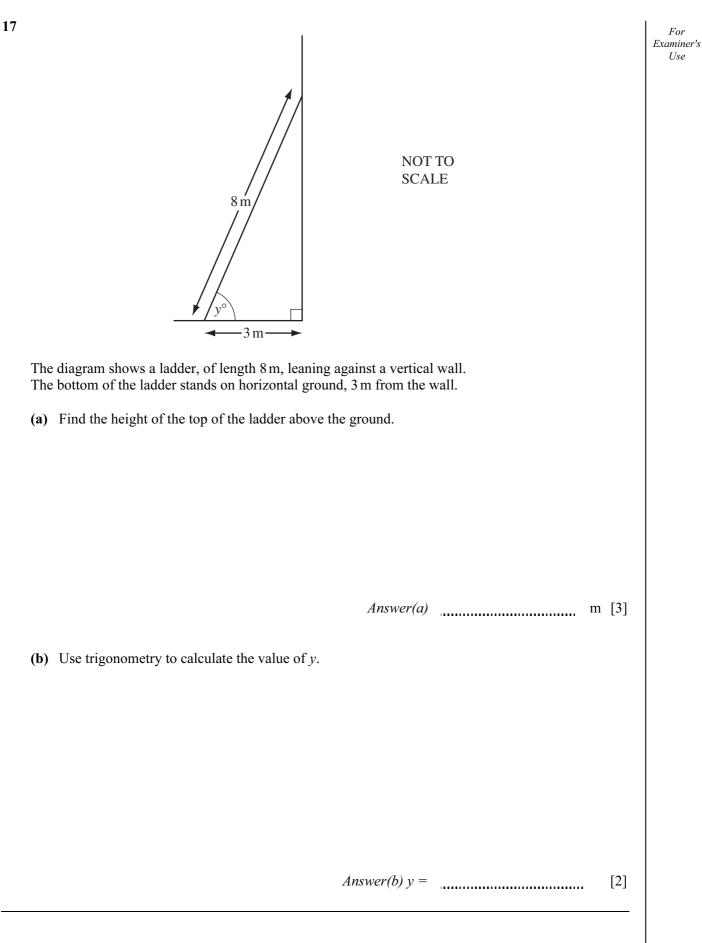
For Examiner's Use





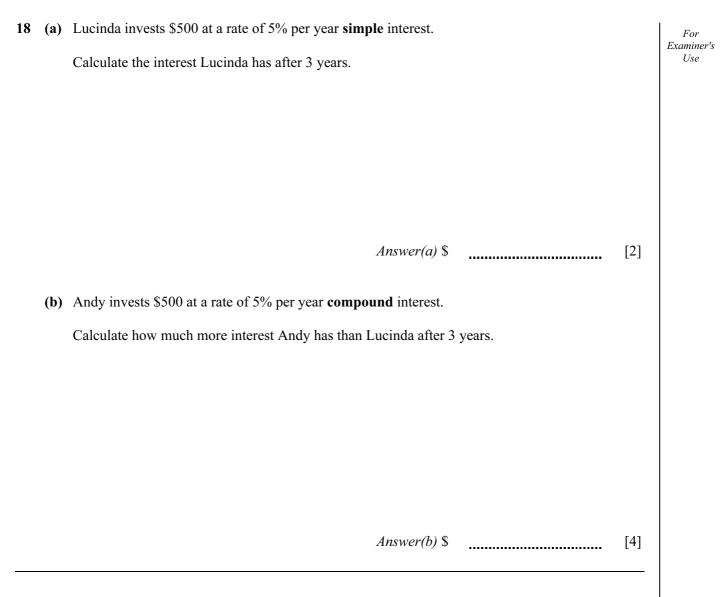
16 (a)





10

© UCLES 2011



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.