UNIVERSITY of CA. <sup>\*</sup>DGE International Examin <sup>\*</sup>ns

As part of CIE's continual commitment to maintaining best practice in assessment, CIE has begun to use different variants of some question papers for our most popular assessments with extremely large and widespread candidature, The question papers are closely related and the relationships between them have been thoroughly established using our assessment expertise. All versions of the paper give assessment of equal standard.

The content assessed by the examination papers and the type of questions are unchanged.

This change means that for this component there are now two variant Question Papers, Mark Schemes and Principal Examiner's Reports where previously there was only one. For any individual country, it is intended that only one variant is used. This document contains both variants which will give all Centres access to even more past examination material than is usually the case.

The diagram shows the relationship between the Question Papers, Mark Schemes and Principal Examiner's Reports.

Question Paper	Mark Scheme	Principal Examiner's Report
Introduction	Introduction	Introduction
First variant Question Paper	First variant Mark Scheme	First variant Principal Examiner's Report
Second variant Question Paper	Second variant Mark Scheme	Second variant Principal Examiner's Report

### Who can I contact for further information on these changes?

Please direct any questions about this to CIE's Customer Services team at: international@cie.org.uk



## UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS International General Certificate of Secondary Education

	CANDIDATE NAME			
	CENTRE NUMBER		CANDIDATE NUMBER	
* 7 6	MATHEMATICS			0580/01, 0581/01
7 5	Paper 1 (Core)		Oct	ober/November 2007
¢ 0				1 hour
5	Candidates answer on the Question Paper.			
* 6 7 *	Additional Materi	als: Electronic Calculat Geometrical Instru	N N	

### 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.

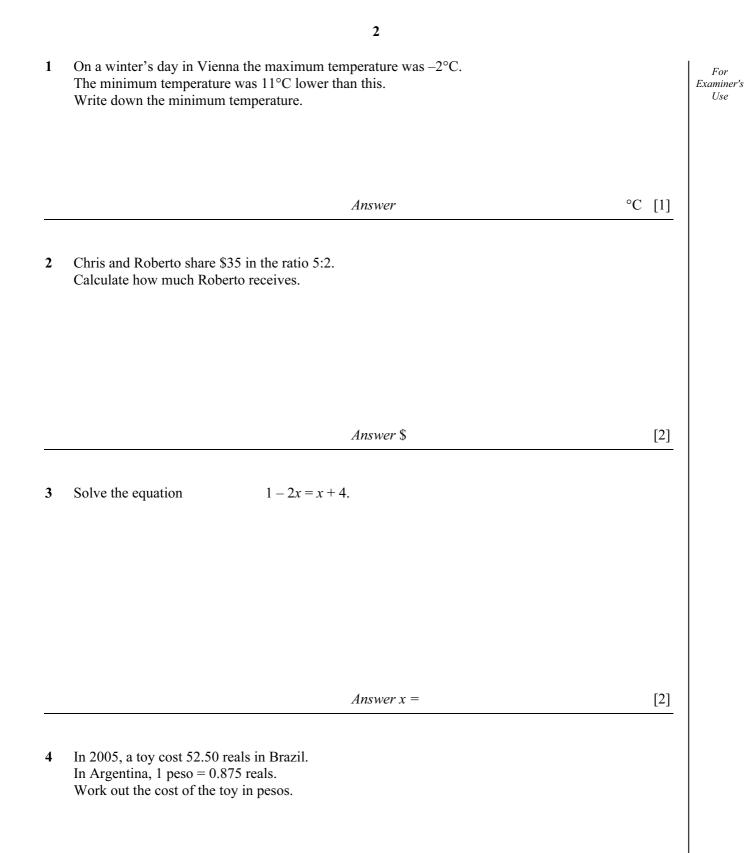
The number of marks is given in brackets [] at the end of each question or part question.

The total of the marks for this paper is 56.

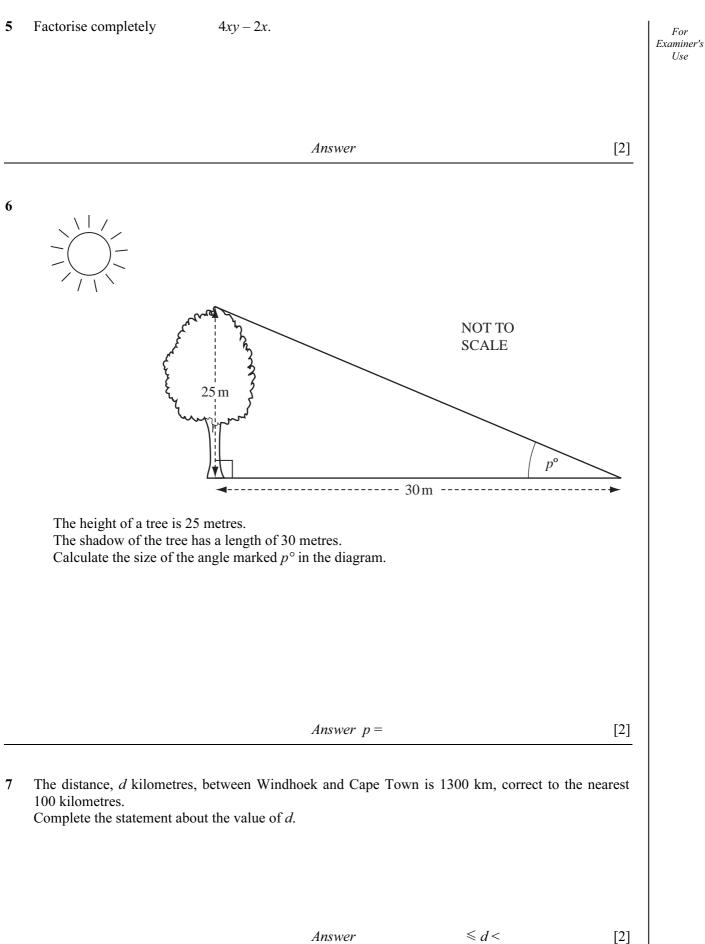
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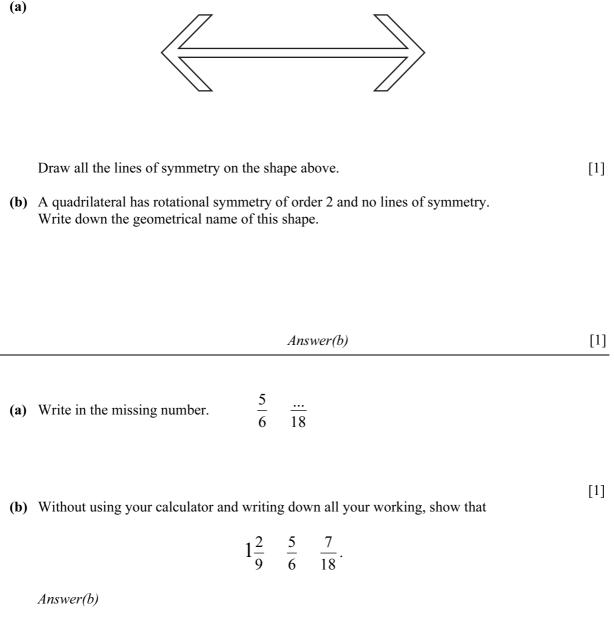
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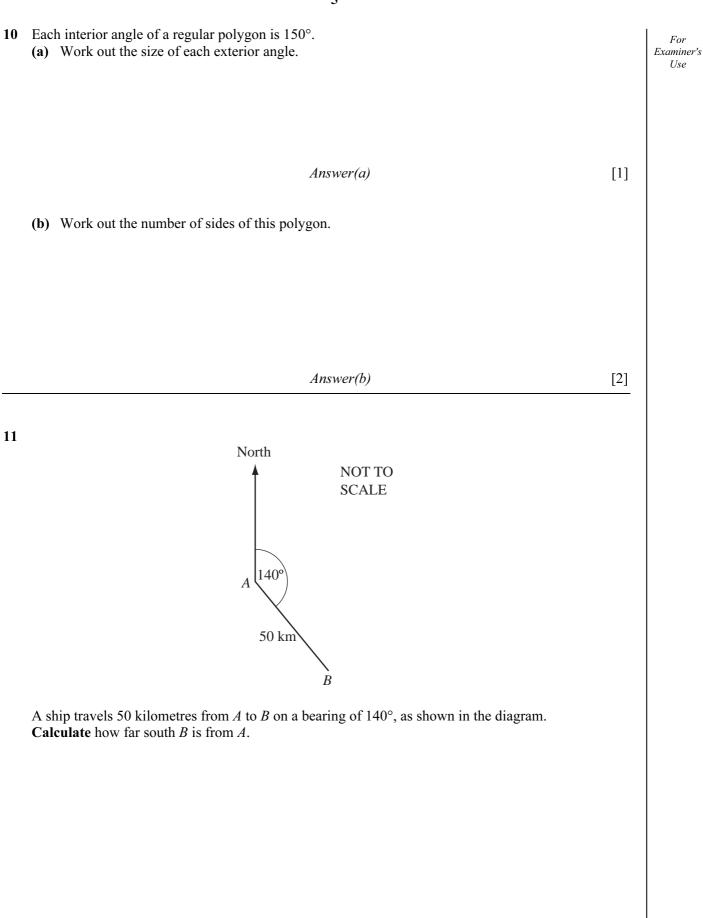
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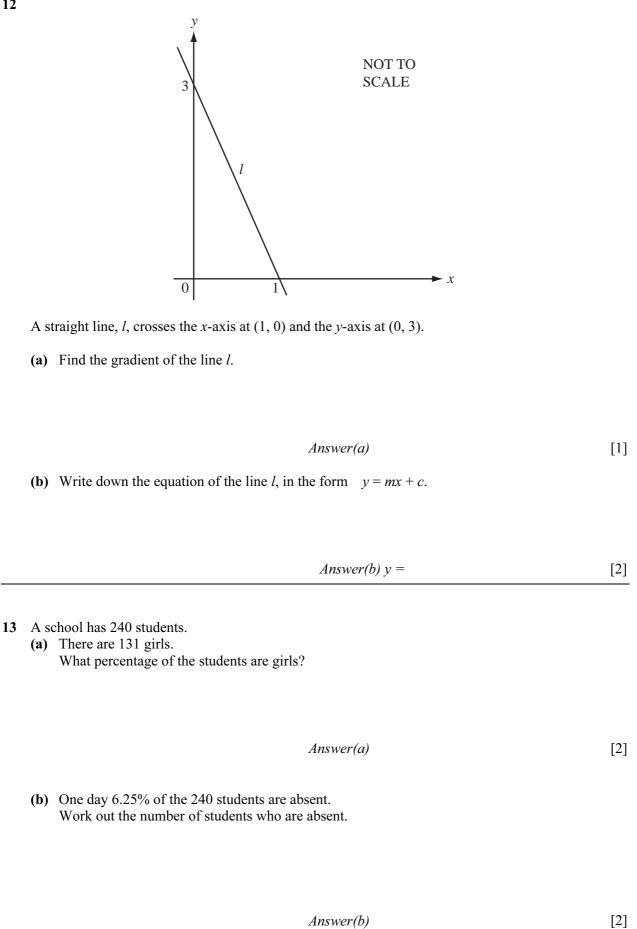


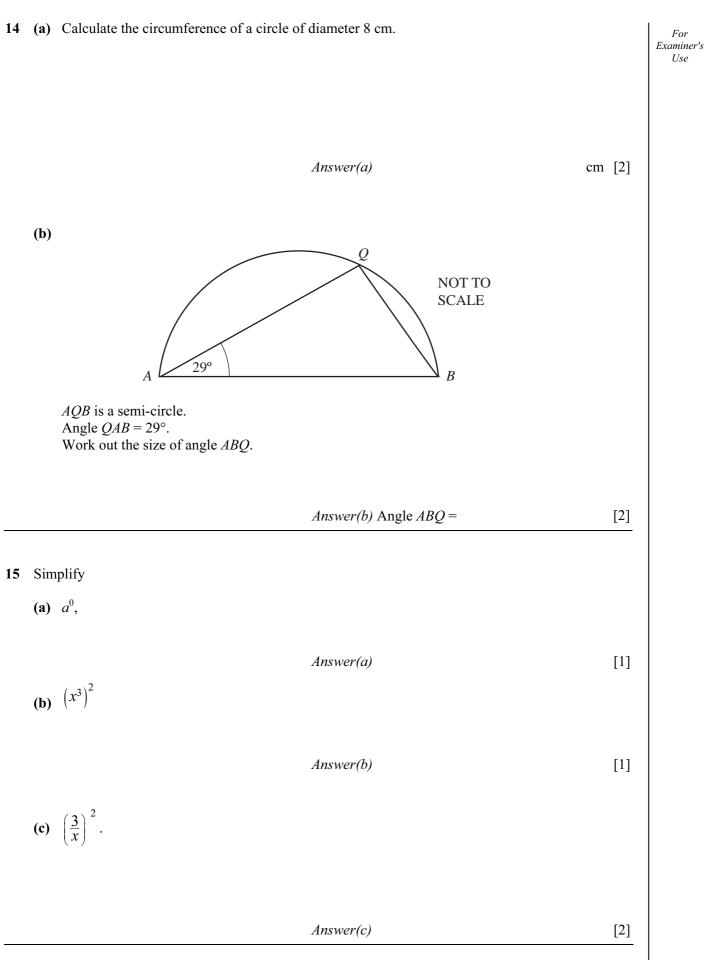
Answer

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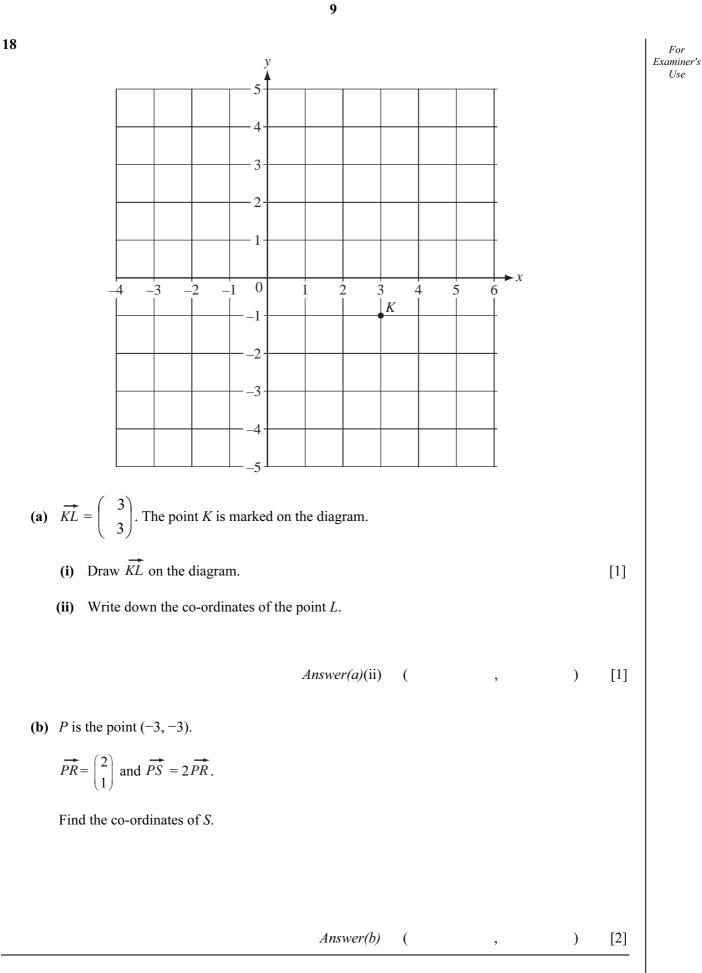




16	(a)	(i) Write 17 598 correct to 2 significant figures.	For Examiner's Use
		Answer(a)(i) [1]	
		(ii) Write your answer to <b>part (a)(i)</b> in standard form.	
		Answer(a)(ii) [1]	
	<b>(b)</b>	Write $5.649 \times 10^{-2}$ as a decimal, correct to 3 decimal places.	
		Answer(b) [2]	
17	(a)	Alex invests \$200 for 2 years at 4.05% per year <b>simple</b> interest. Calculate how much <b>interest</b> Alex receives.	
		Answer(a)  [2]	
	(b)	Bobbie invests \$200 for 2 years at 4% per year <b>compound</b> interest. Calculate how much <b>interest</b> Bobbie receives. Give your answer to 2 decimal places.	
		Answer(b)  [2]	

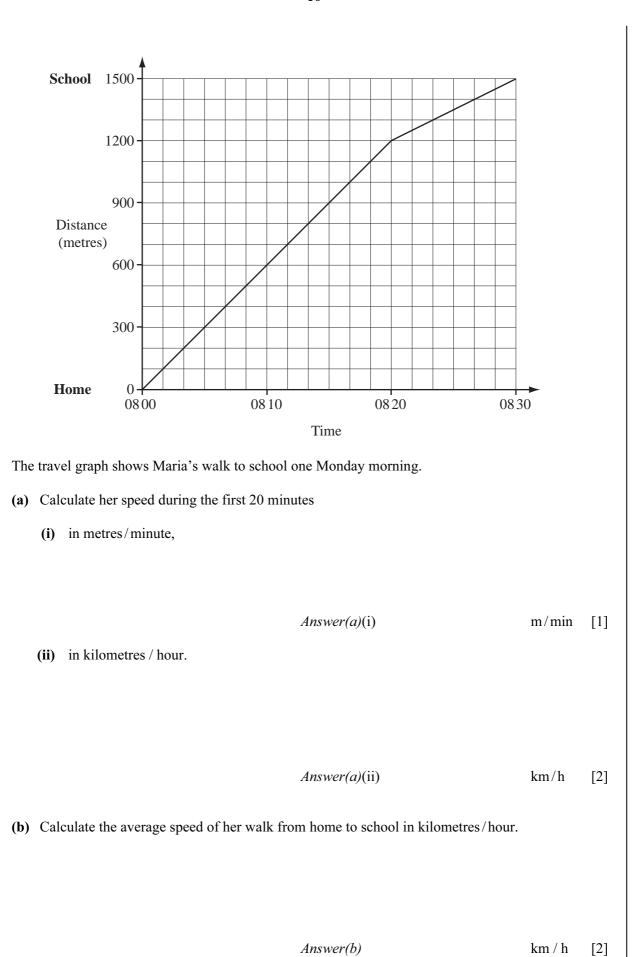
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# 11

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## UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS International General Certificate of Secondary Education

CANDIDATE NAME				
 CENTRE NUMBER		CANDIDATE NUMBER		
MATHEMATICS	;	0580/01, 0581/01		
Paper 1 (Core)		October/November 2007		
		1 hour		
Candidates ansv	ver on the Question Paper.			
Additional Materi	ials: Electronic Calculator Geometrical Instruments	Mathematical tables (optional) Tracing paper (optional)		

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Answer **all** questions.

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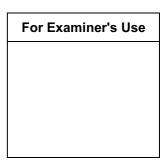
Electronic calculators should be used.

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For  $\pi$ , use either your calculator value or 3.142.

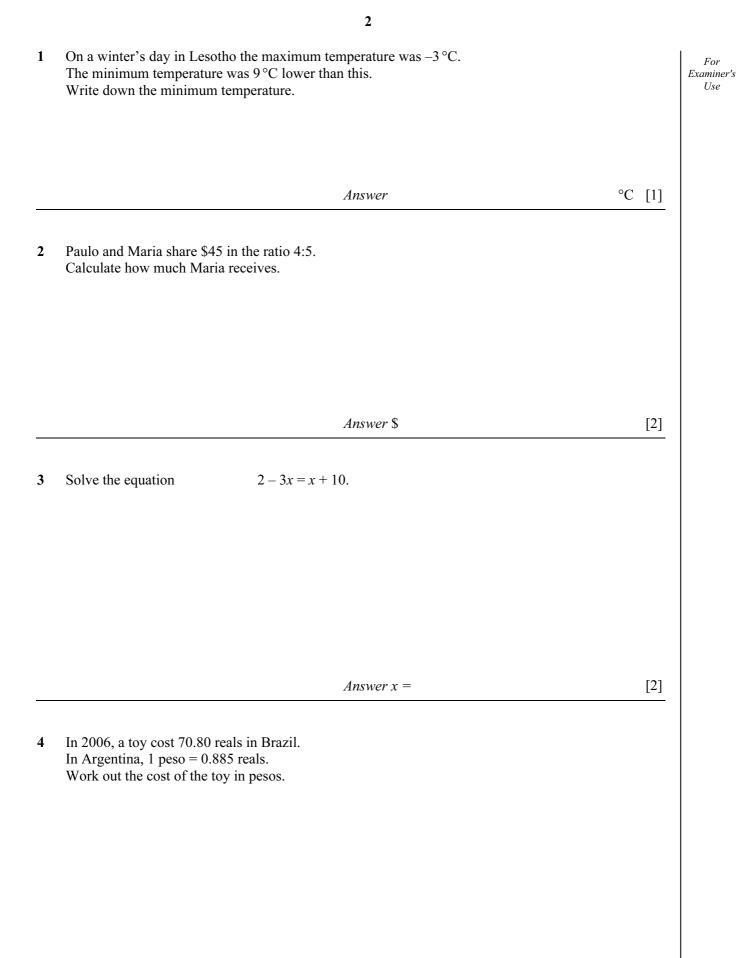
At the end of the examination, fasten all your work securely together.

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.

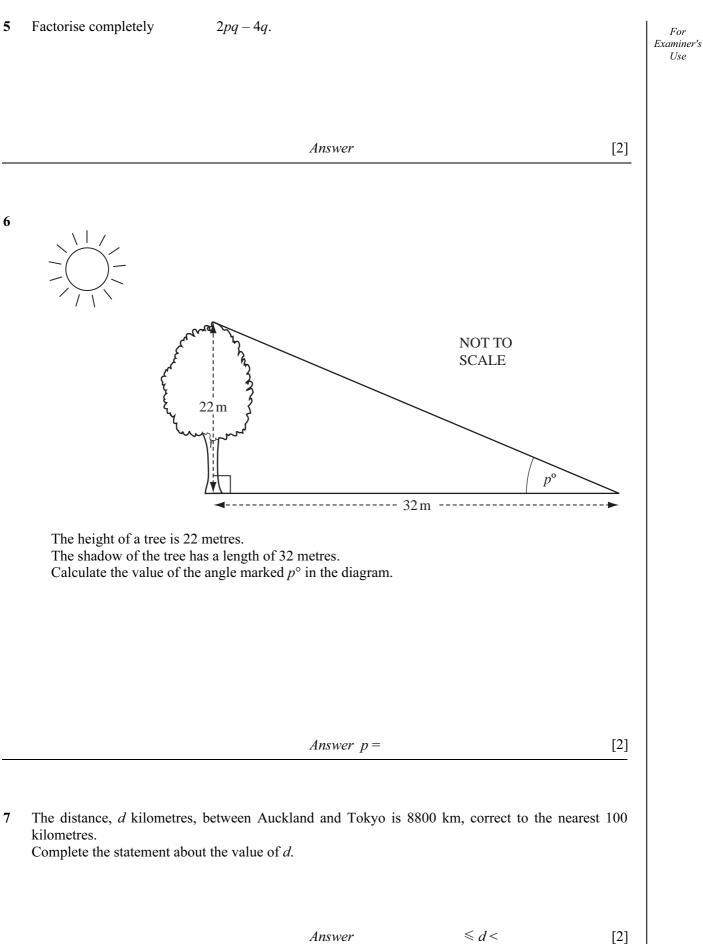


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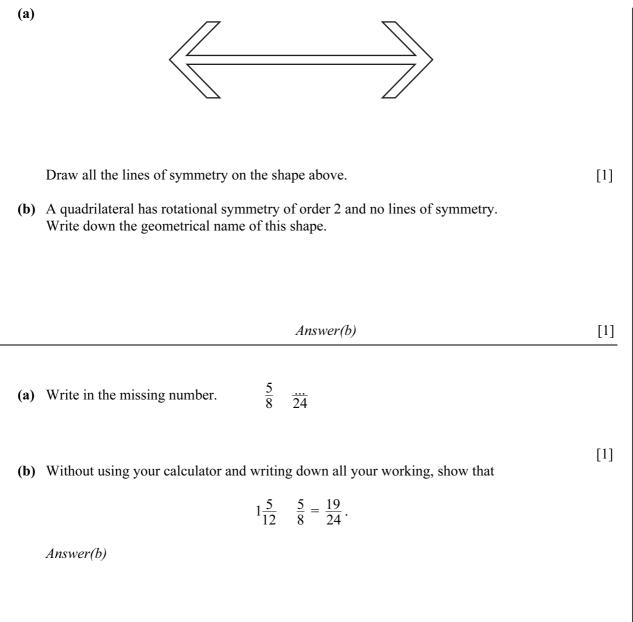
Answer



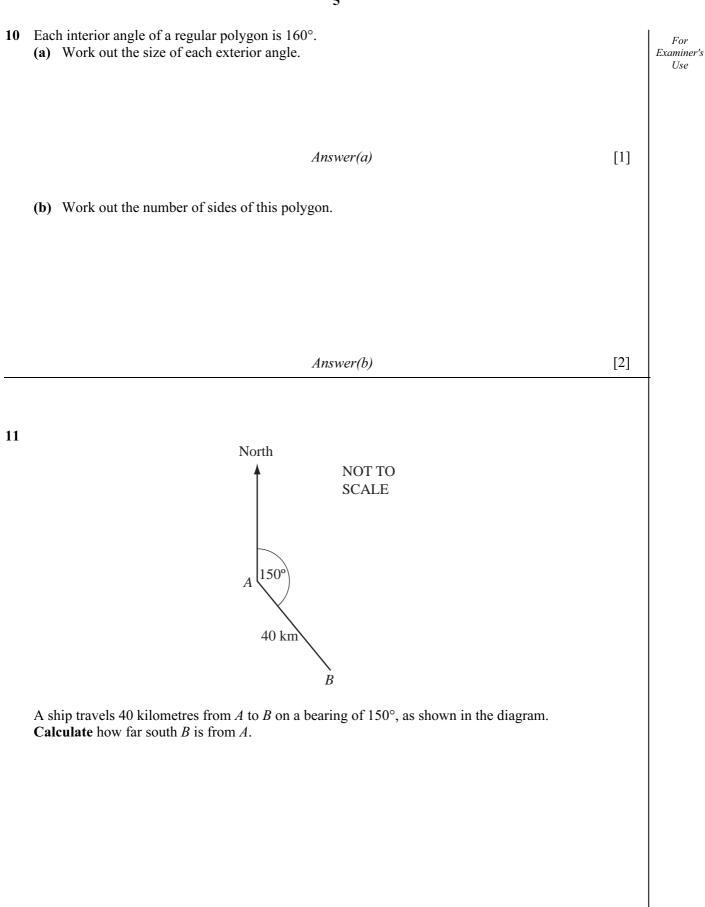
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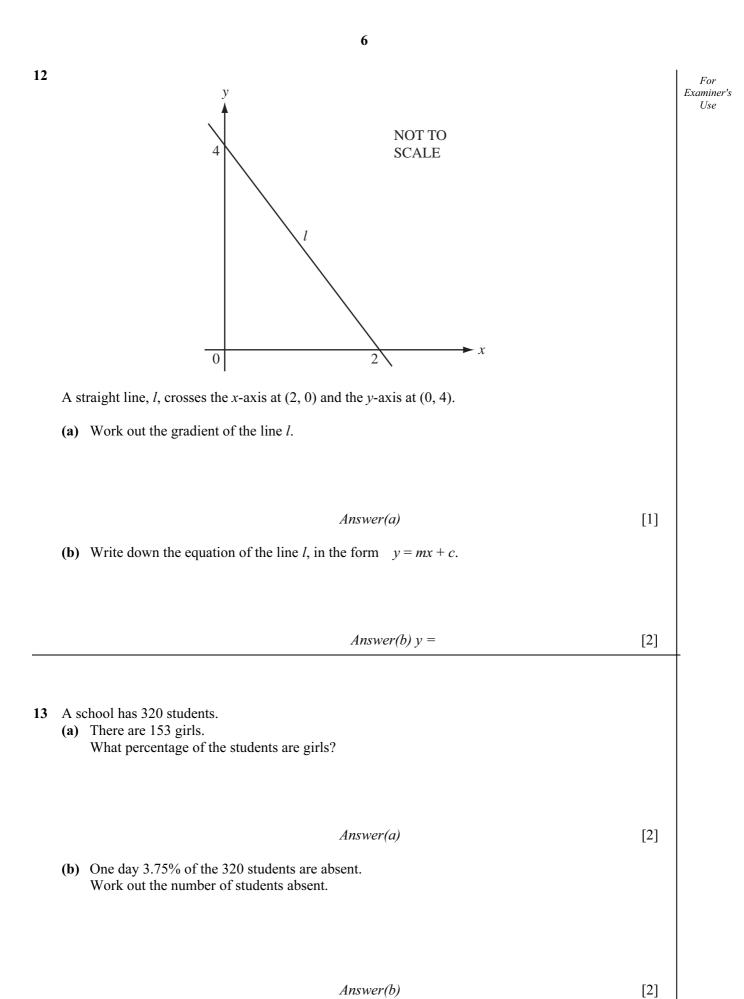


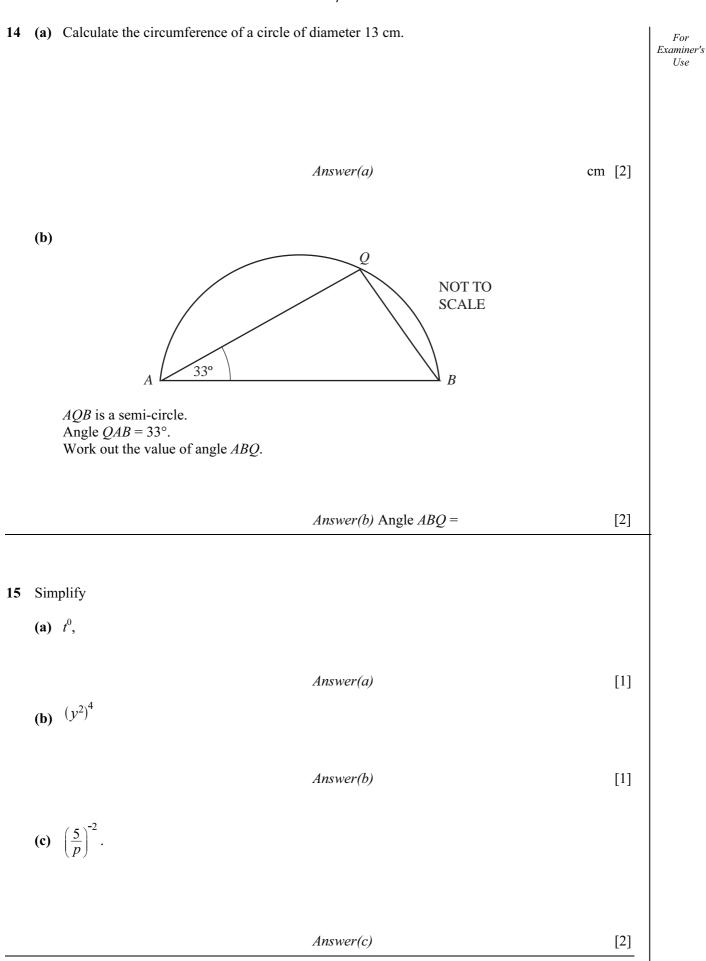
[2]



Answer

km [3]

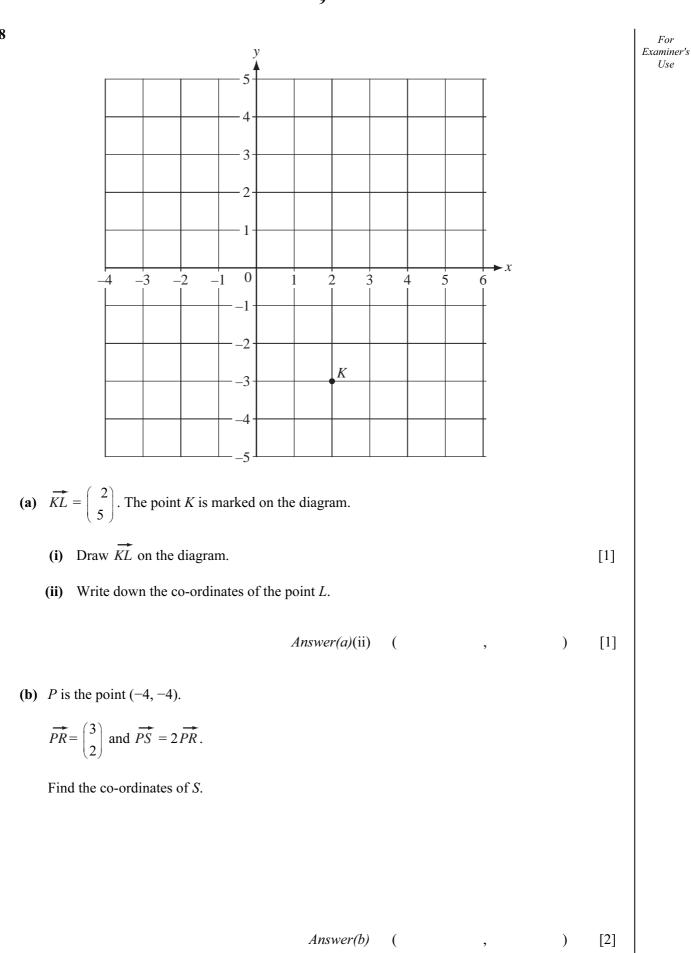




16	(a)	(i)	Write 15 583 correct to 2 significant figures.	For Examiner's Use
			Answer(a)(i) [1]	
		(ii)	Write your answer to <b>part (a)(i)</b> in standard form.	
			Answer(a)(ii) [1]	
	(b)	Wr	ite $3.718 \times 10^{-3}$ as a decimal, correct to 4 decimal places.	
			Answer(b) [2]	_
17	(a)	Ab Cal	dul invests \$400 for 2 years at 6.05% per year <b>simple</b> interest. Iculate how much <b>interest</b> Abdul receives.	
	(b)	Sar Cal	Answer(a) \$ [2] nia invests \$400 for 2 years at 6% per year <b>compound</b> interest. lculate how much <b>interest</b> Samia receives.	
		Giv	ve your answer to 2 decimal places.	
			Answer(b)  [2]	
_	_	_		

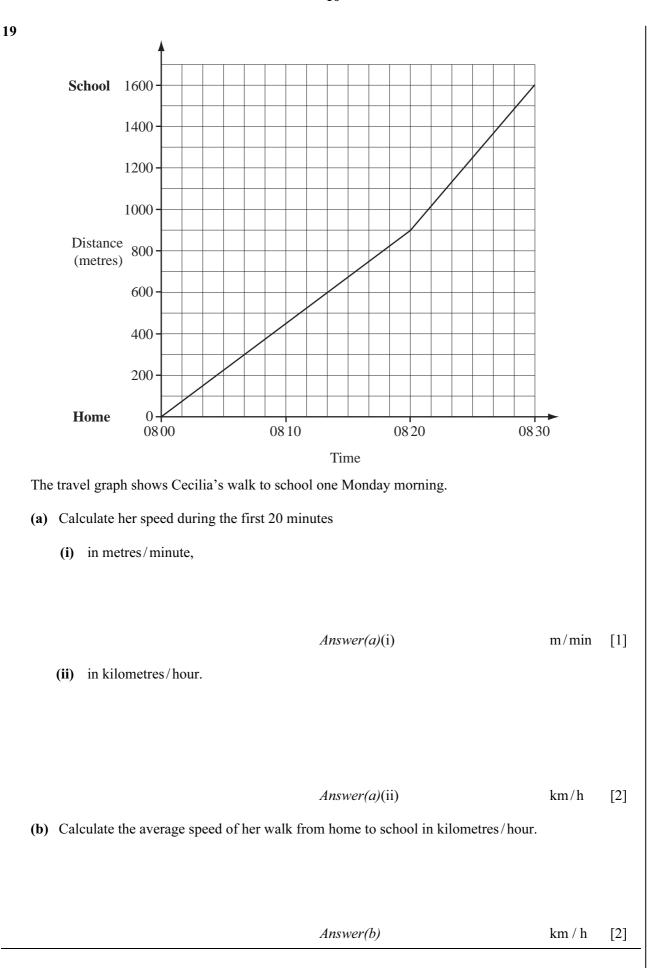
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