

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.

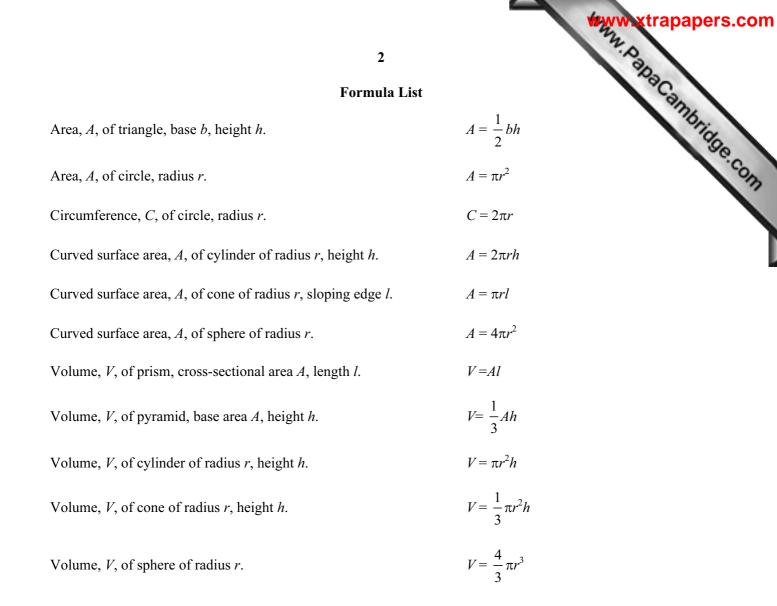
The number of marks is given in brackets [] at the end of each question or part question.

The total number of marks for this paper is 40.

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

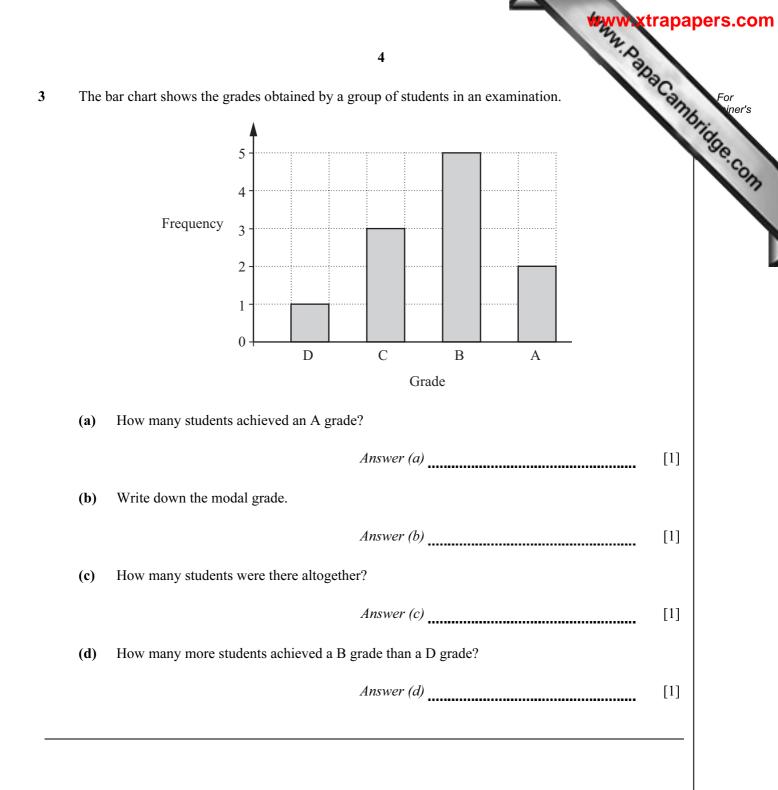


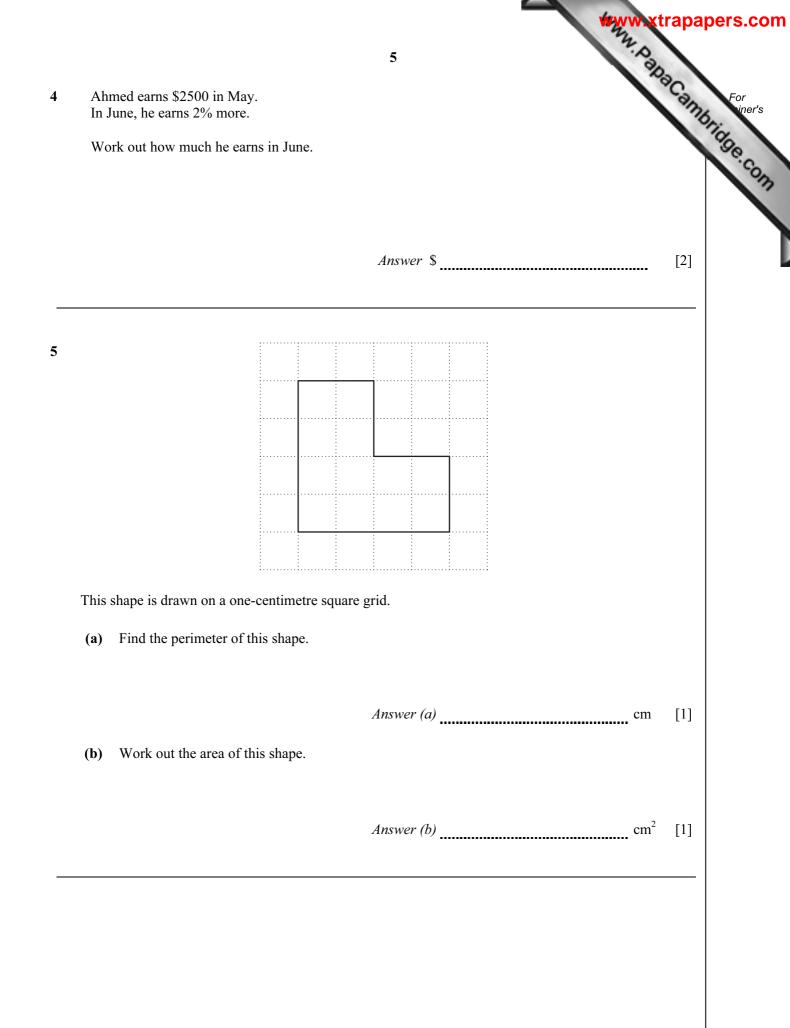
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Using only n	umbers from the	list abov	ve, writ	e down	L				Tide
(a) a mult	iple of 7,								
				Ansı	wer (a)			 	[1]
(b) a prim	e number,								
					wer (b)			 	[1]
(c) the low	vest common mu	ıltiple of	20 and	30.					
				1.00					[1]
				Ans	wer (C)			 	[1]
Write $\frac{1}{4}$ as									
(a) a decin	nal,								
				Ans	wer (a)			 	[1]
(b) a perc	entage.								
				Ansı	wer (b)			 	[1]

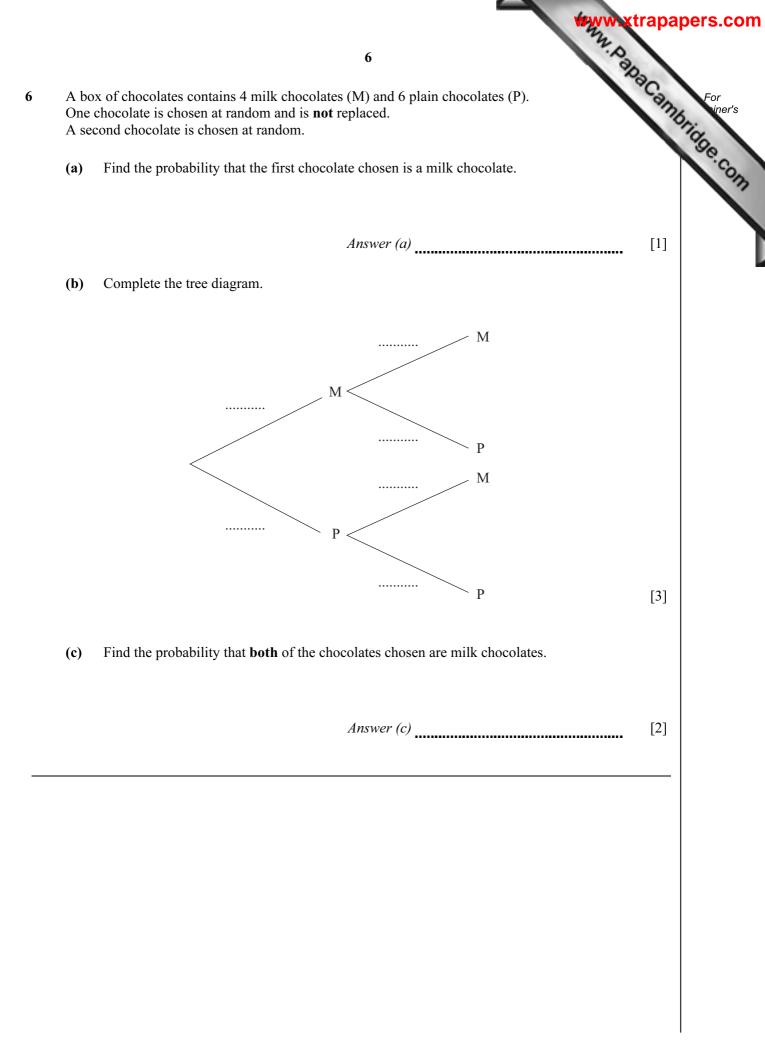
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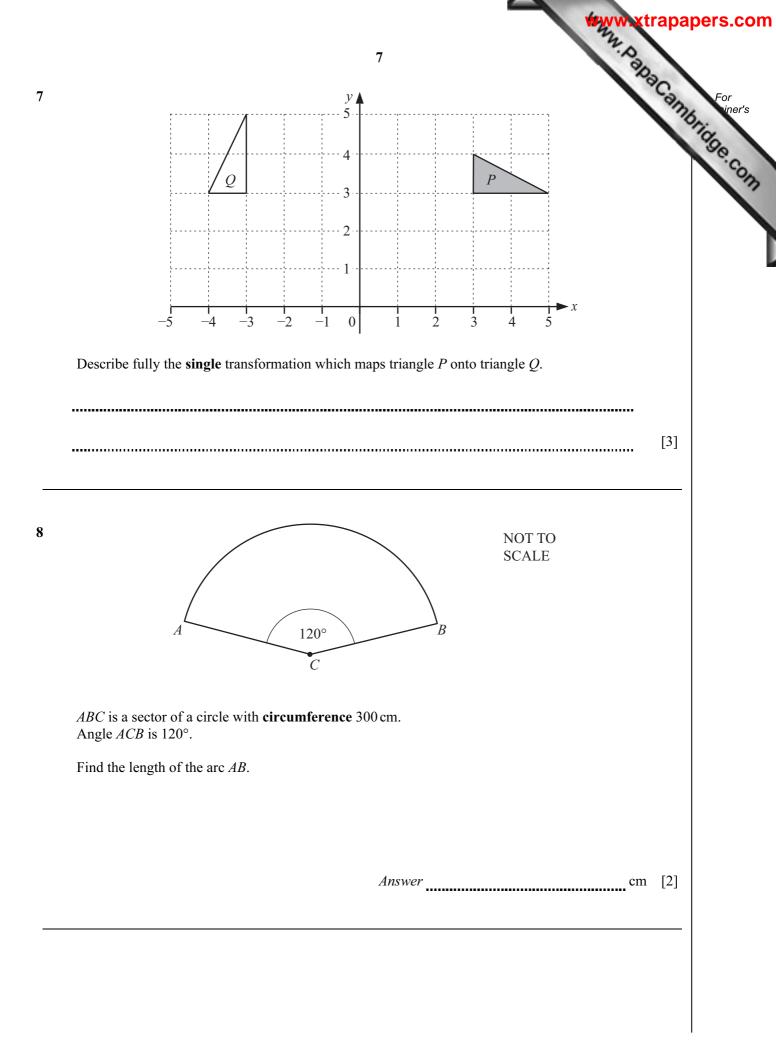




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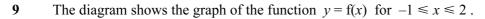
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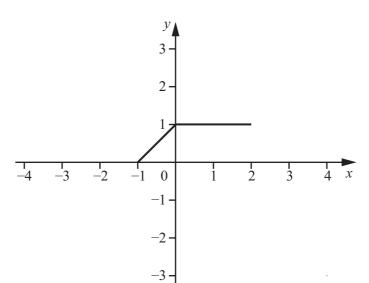




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(a) On the diagram, draw the graph of y = f(x + 3).

(b) On the diagram, draw the graph of y = f(x) - 2.

(c) Describe the single transformation that maps y = f(x) onto y = f(x) - 2.

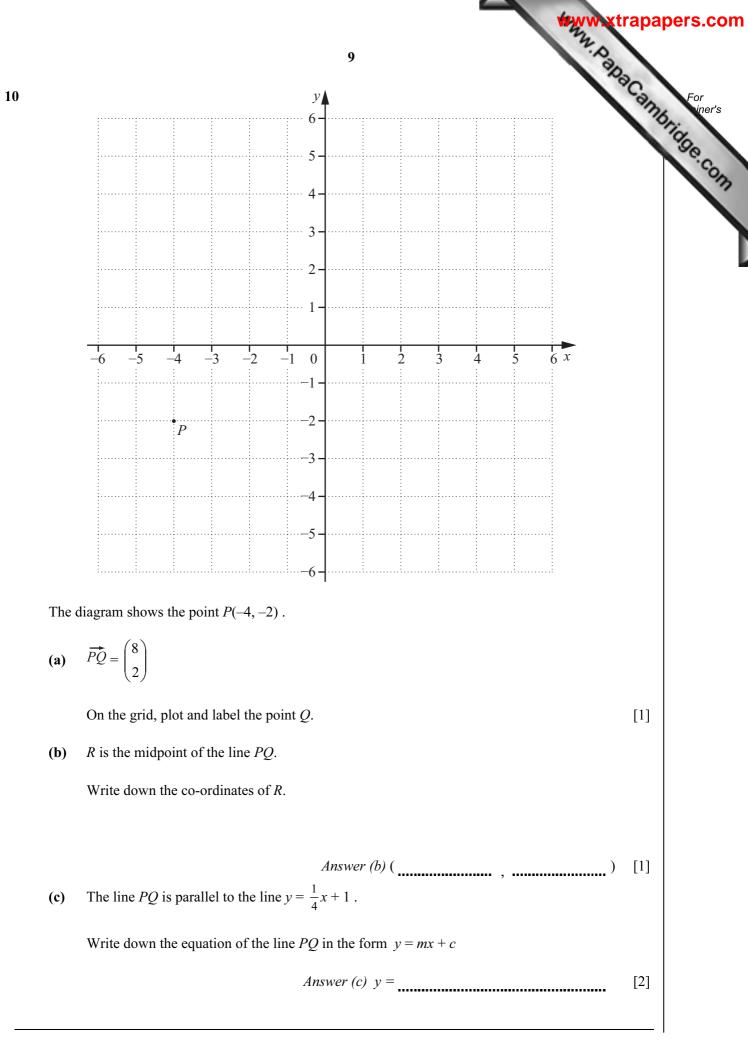
Answer (c) [2]



For iner's

[1]

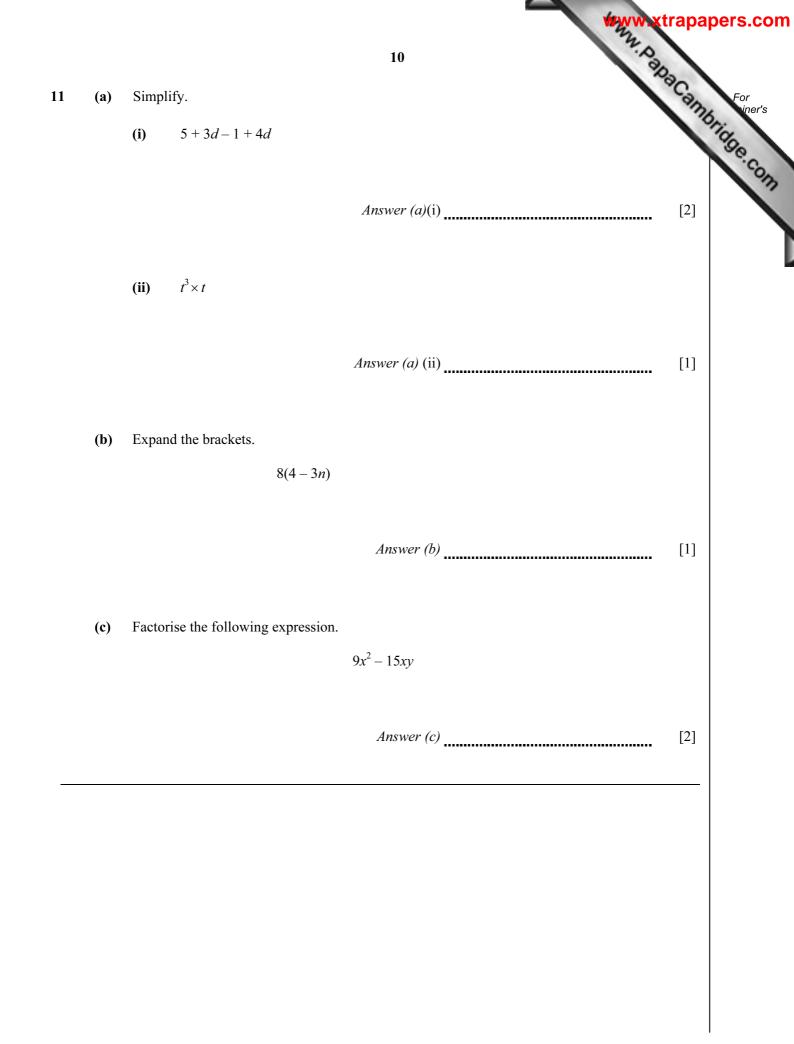
[1]

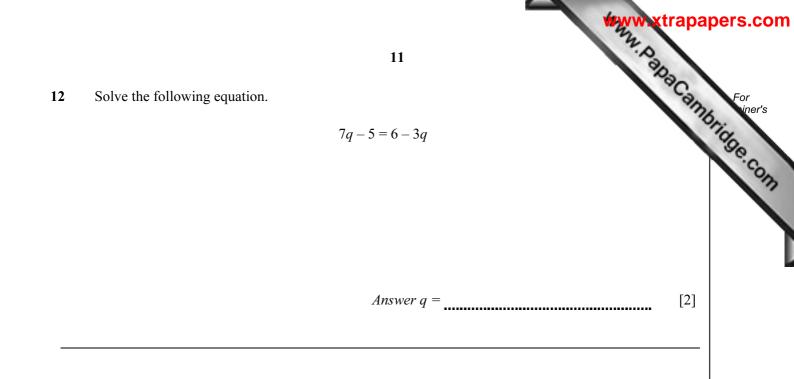


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