

Additional Materials: Geometrical instruments

READ THESE INSTRUCTIONS FIRST

Write your Center 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.

9

CALCULATORS MUST NOT BE USED IN THIS PAPER.

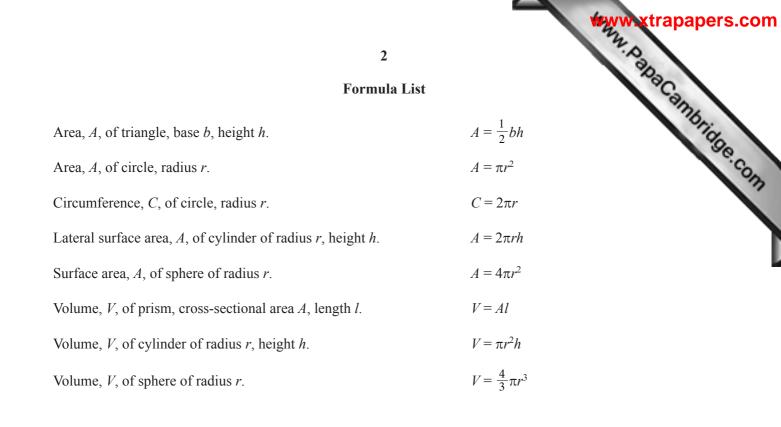
All answers should be given in their simplest form.

If work is needed for any question it must be shown in the space provided.

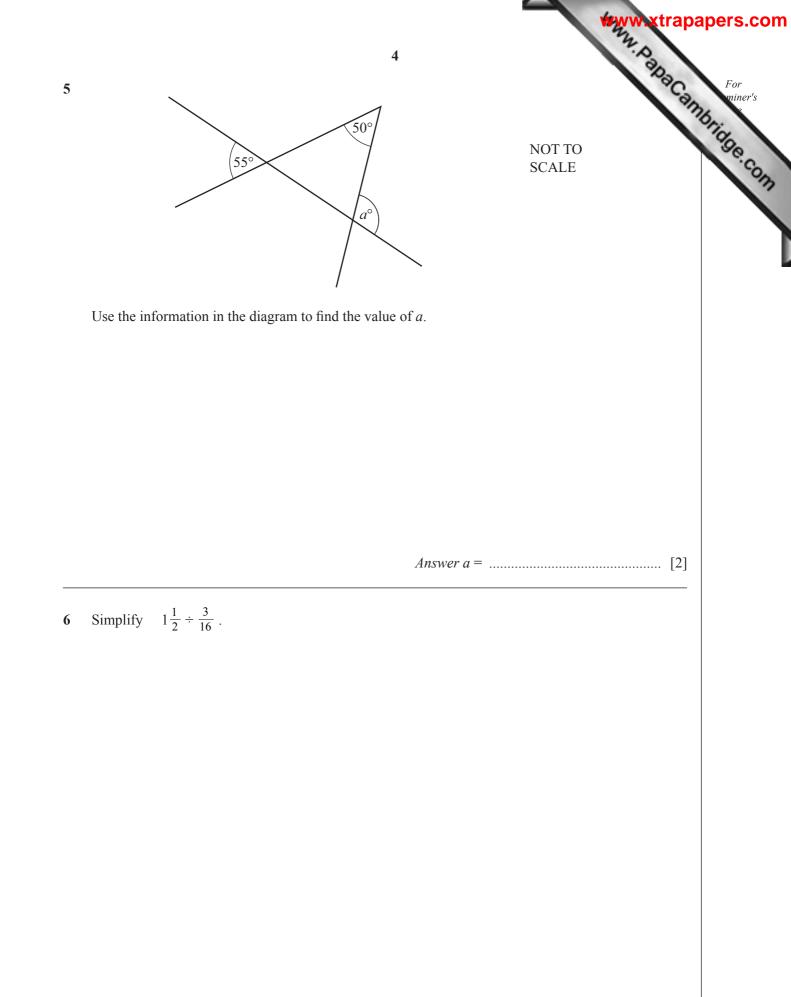
The number of points is given in parentheses [] at the end of each question or part question. The total of the points for this paper is 56.

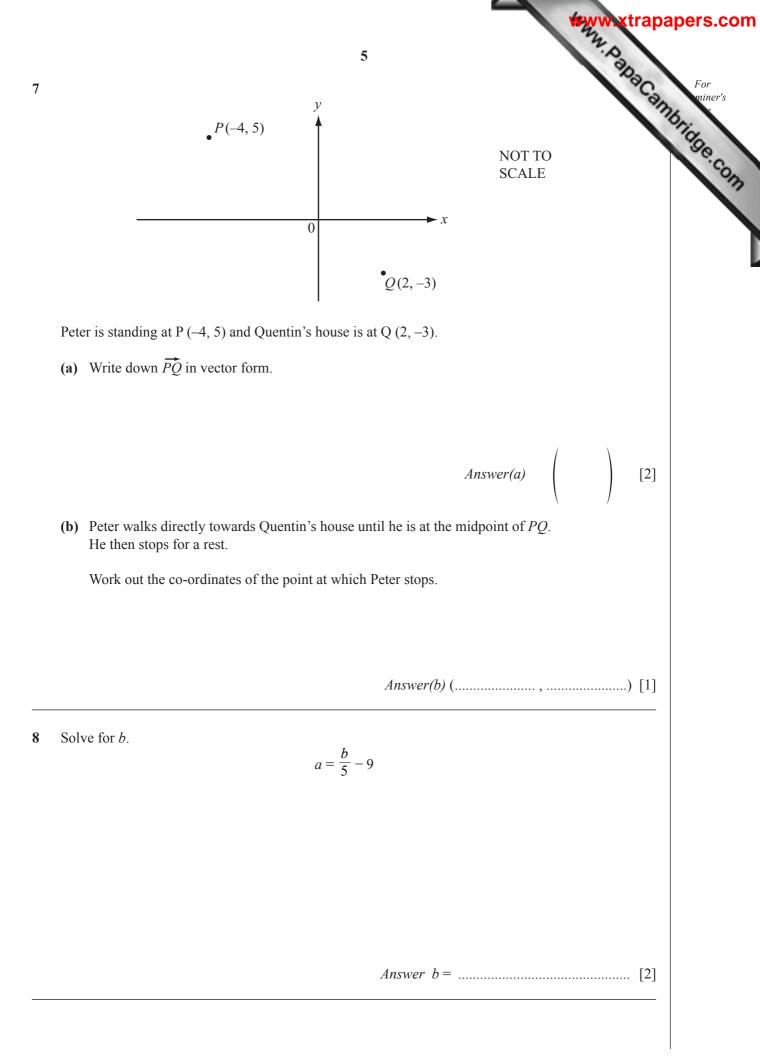
This document consists of **12** printed pages.

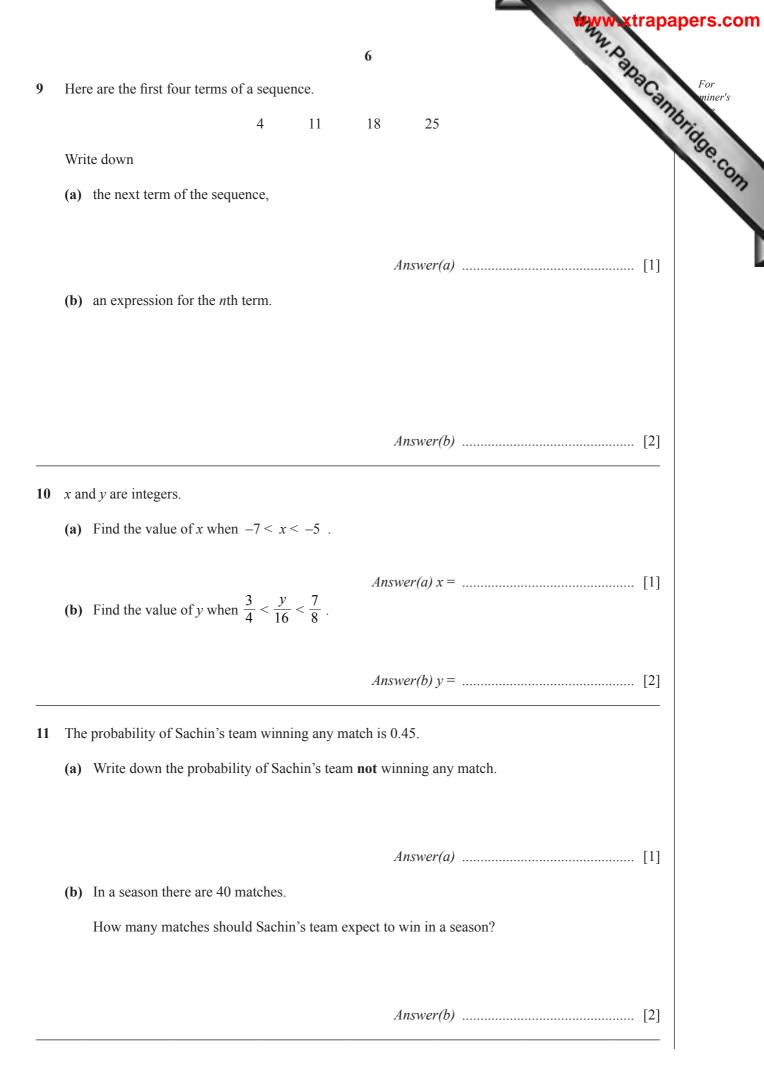


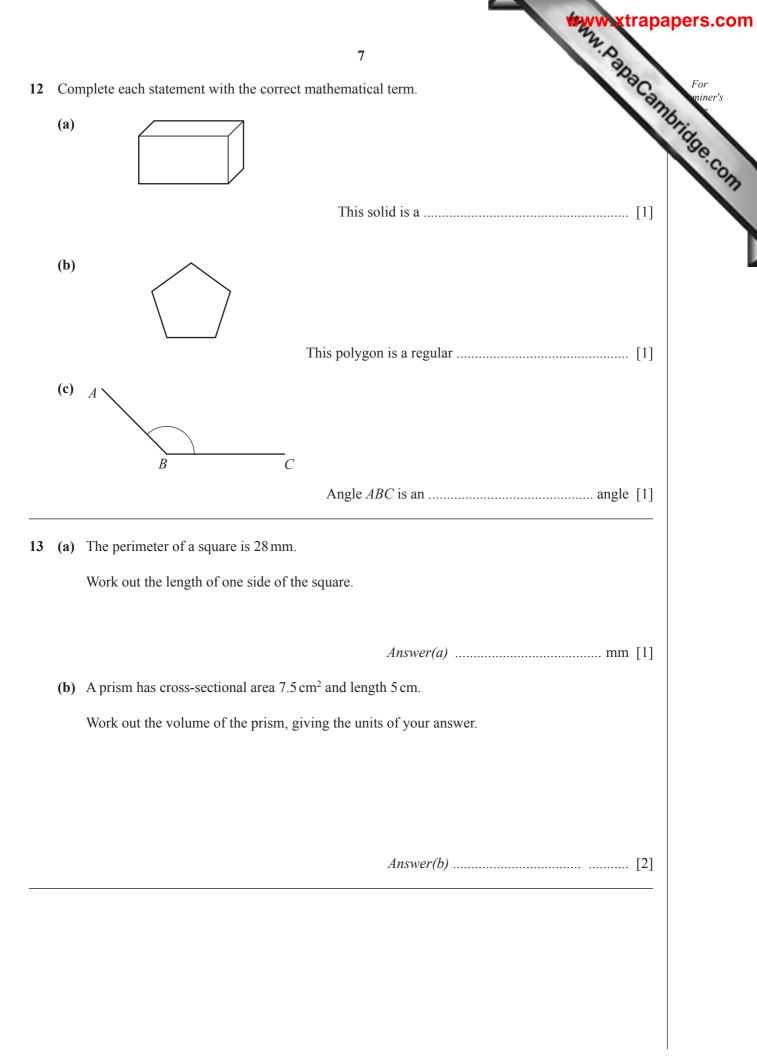


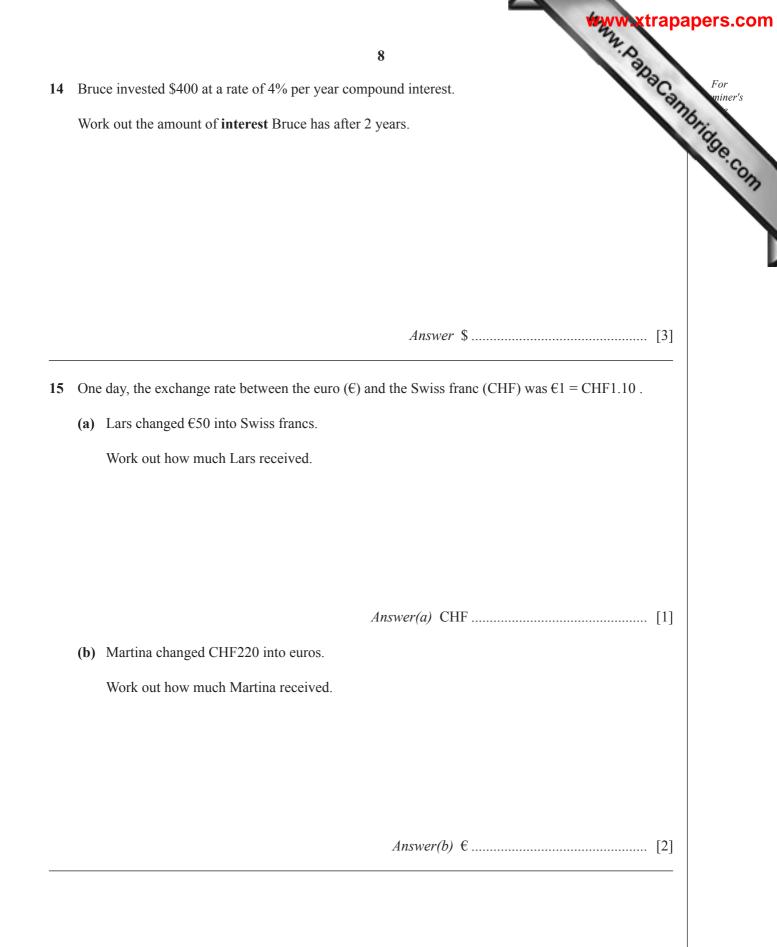
1	Write 45% as a fraction in its lowest terms.	3	For miner's community comm
		Answer	
2	One January day in Munich, the temperature at noo At midnight the temperature was -8° C.	on was 3°C.	
	Write down the difference between these two temperatures the temperature of temper	eratures.	
		Answer°	C [1]
3	Simplify $\sqrt{49} - 4^2$.		
		Answer	[2]
4	Pedro and Eva do their homework. Pedro takes 84 minutes to do his homework.		
	The ratio Pedro's time : Eva's time = $7: 6$.		
	Work out the number of minutes Eva takes to do he	er homework.	
		Answer m	in [2]

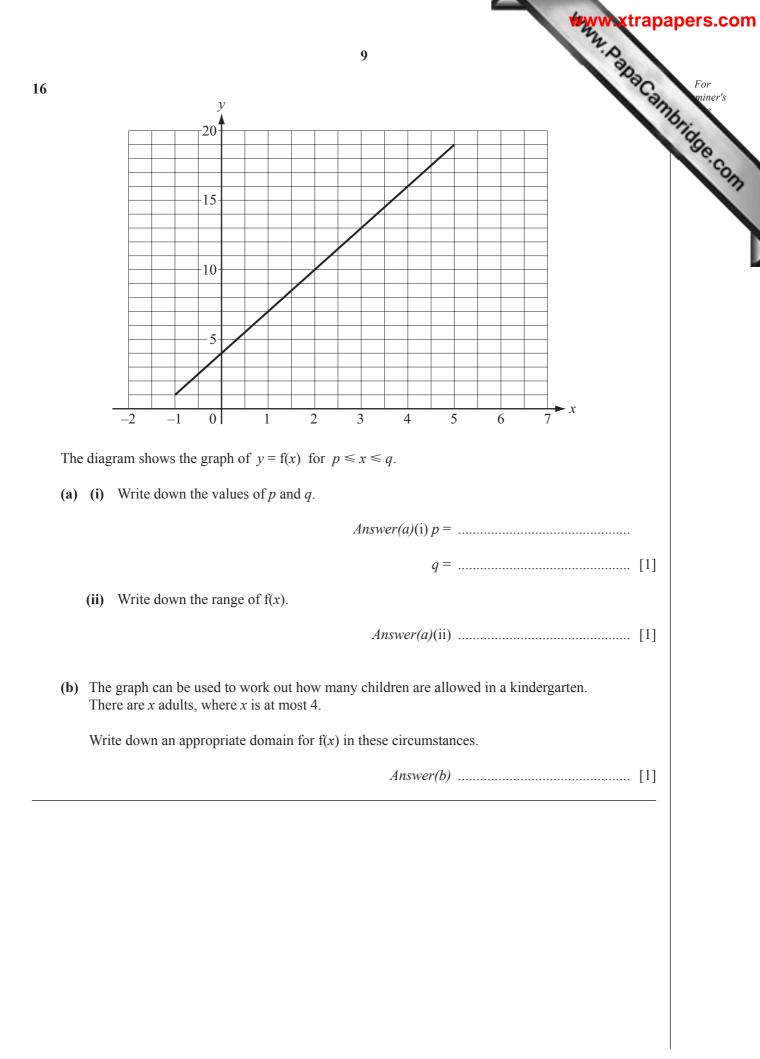


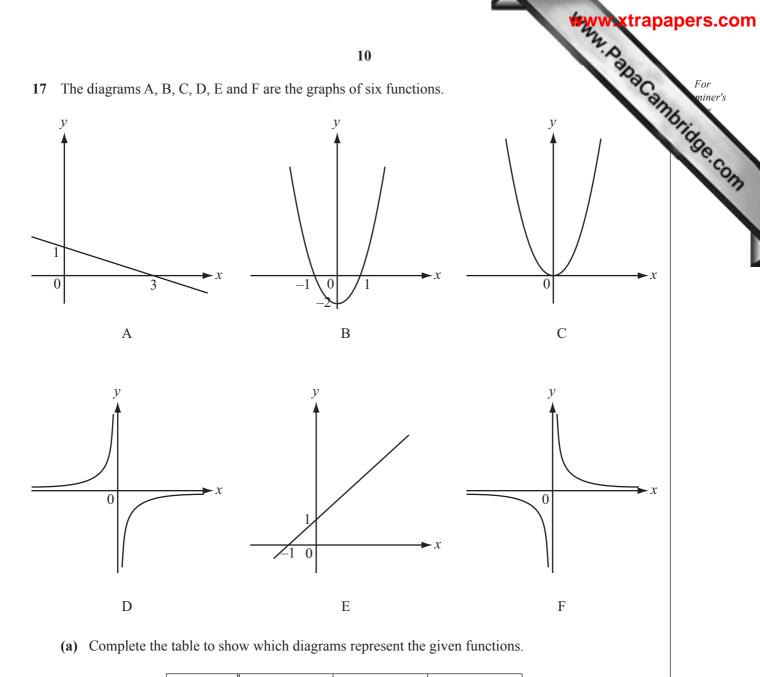










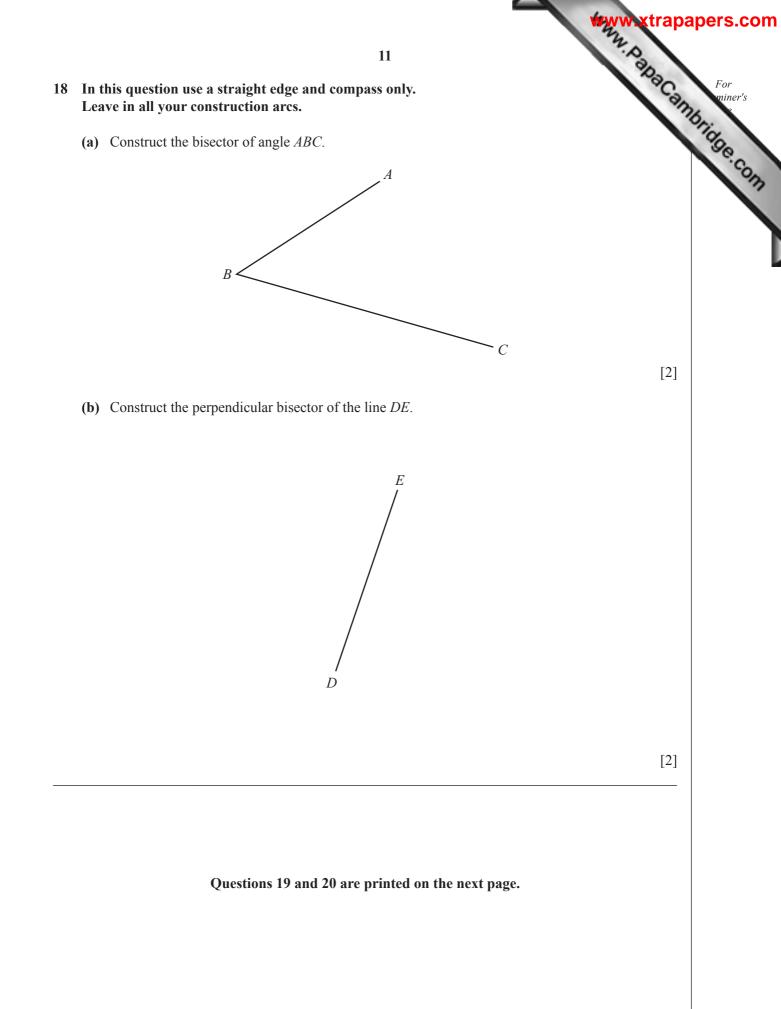


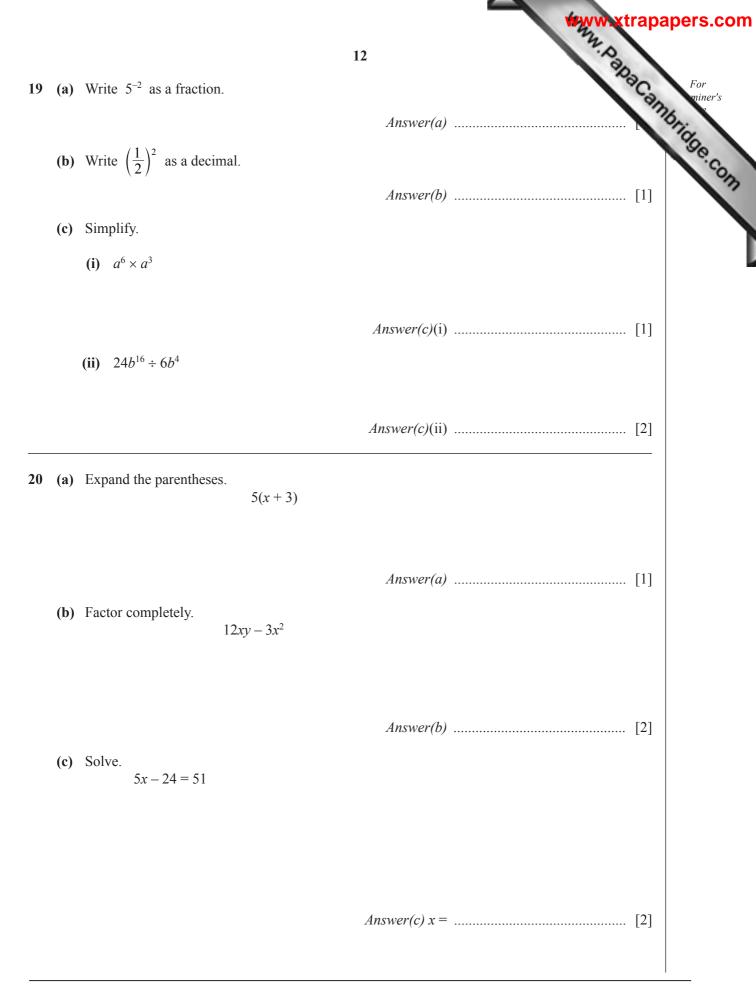
Function	$y = 1 - \frac{x}{3}$	$y = 2x^2$	$y = -\frac{4}{x}$
Diagram	А		

[2]

(b) The function in diagram C is y = f(x) and the function in diagram B is y = f(x) + k. Write down the value of k.

Answer(b) [1]





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