

	UNIVERSITY OF CAMBRIDGE IN International General Certificate of	TERNATIONAL EXAMINATIONS Secondary Education	N. My Maths Cloud. com		
CANDIDATE NAME			17		
CENTRE NUMBER		CANDIDATE NUMBER			
CAMBRIDGE INTERNATIONAL MATHEMATICS		For Examina	0607/01		
Paper 1 (Core) For Examination from 2010					

45 minutes

Candidates answer on the Question Paper Additional Materials: **Geometrical Instruments**

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.

Answer all the questions.

SPECIMEN PAPER

CALCULATORS MUST NOT BE USED IN THIS PAPER.

All answers should be given in their simplest form.

You must show all 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 of the marks for this paper is 40.

For Examiner's Use

This document consists of 8 printed pages.



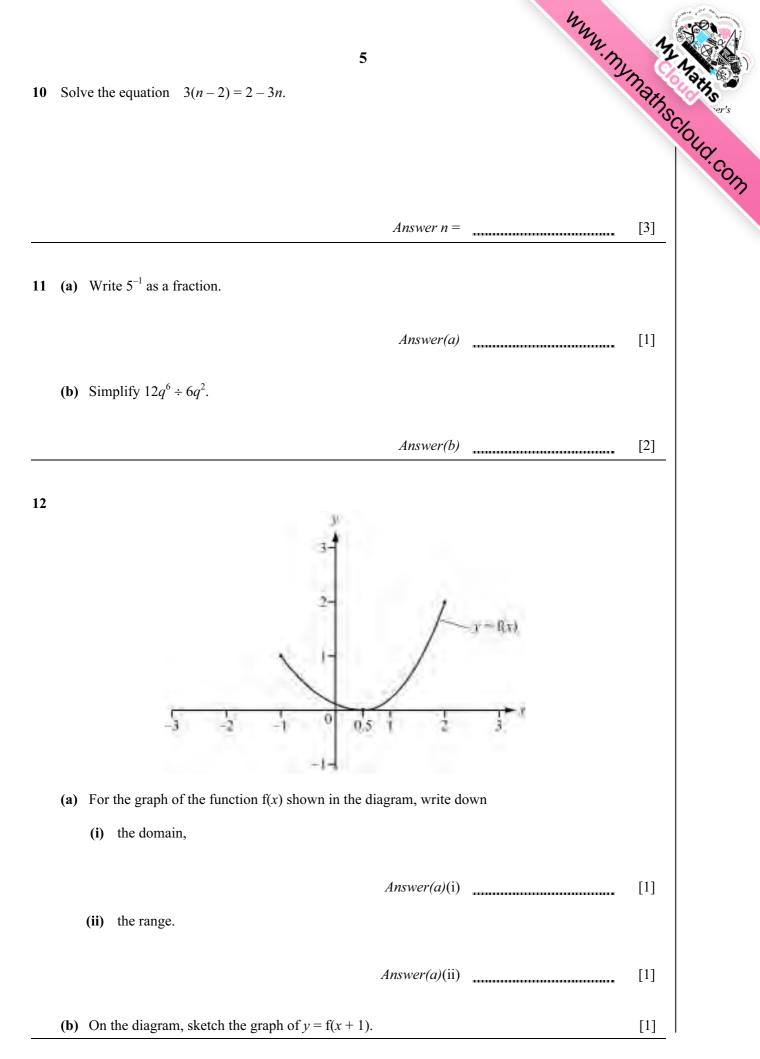


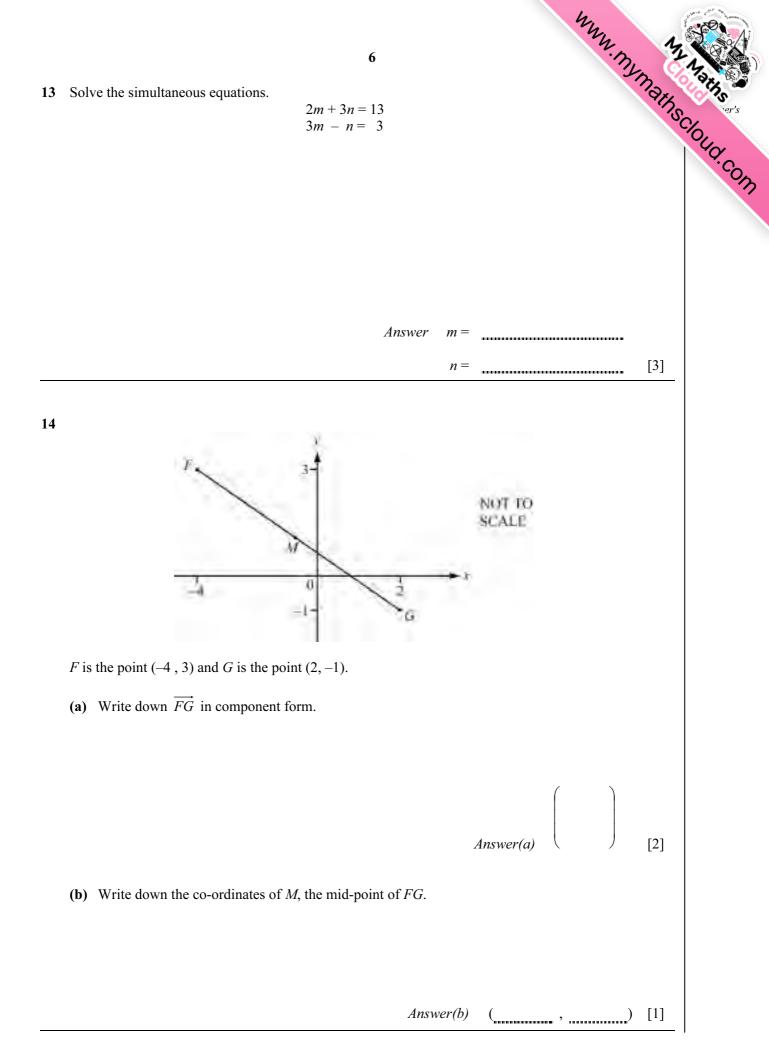
Formula List

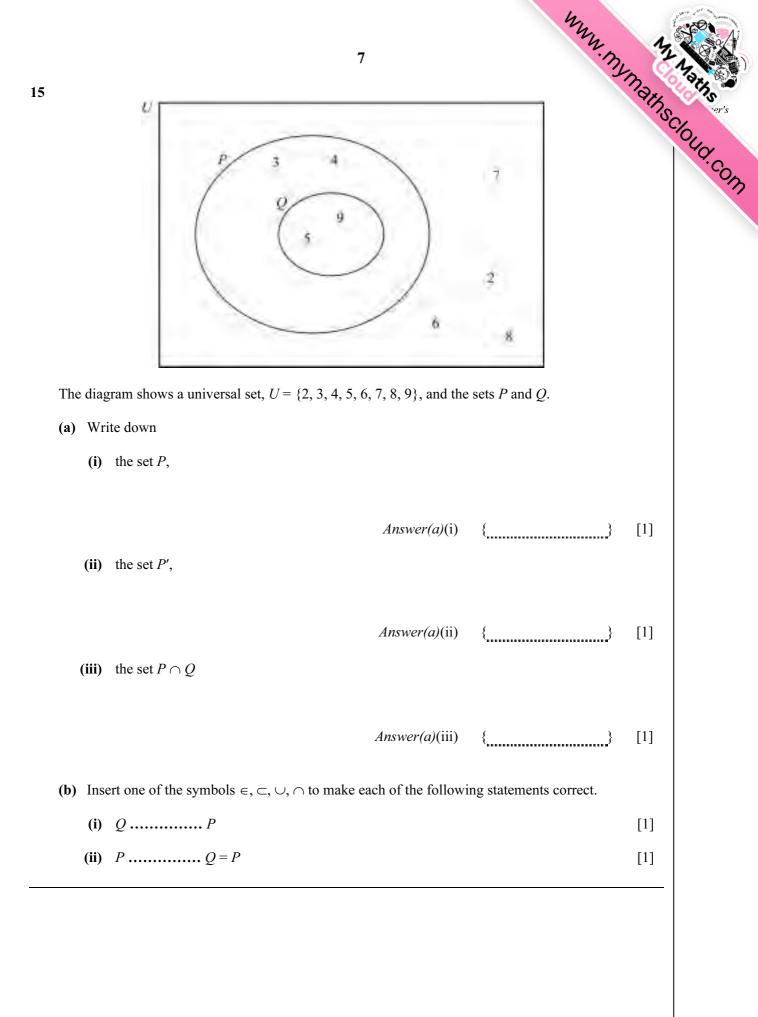
Area, A , of triangle, base b , height h .	$A = \frac{1}{2}bh$
Area, A, of circle, radius r.	$A=\pi r^2$
Circumference, C, of circle, radius r.	$C = 2\pi r$
Curved surface area, A , of cylinder of radius r , height h .	$A = 2\pi rh$
Curved surface area, A , of cone of radius r , sloping edge l .	$A = \pi r l$
Curved surface area, A , of sphere of radius r .	$A=4\pi r^2$
Volume, <i>V</i> , of prism, cross-sectional area <i>A</i> , length <i>l</i> .	V = Al
Volume, V , of pyramid, base area A , height h .	$V = \frac{1}{3}Ah$
Volume, V , of cylinder of radius r , height h .	$V = \pi r^2 h$
Volume, V , of cone of radius r , height h .	$V = \frac{1}{3}\pi r^2 h$
Volume, V , of sphere of radius r .	$V = \frac{4}{3}\pi r^3$

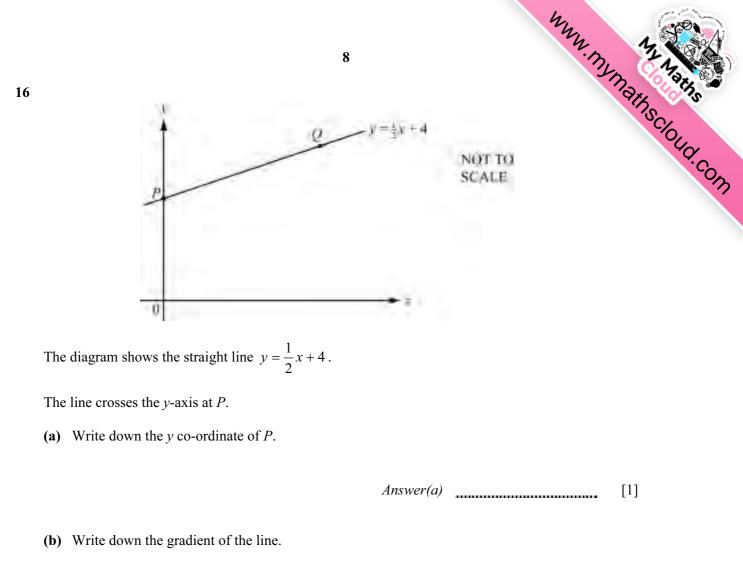
	hy.	
	3	
	Answer all the questions.	ath,
1	3 Answer all the questions. At noon, in a ski resort, the temperature was 2 °C. At midnight it was –9 °C. Write down the difference in temperature between noon and midnight.	
	Write down the difference in temperature between noon and midnight.	*. (
	Answer °C [1]	
2	Write $\frac{17}{20}$ as a percentage.	
	Answer [1]	
3	Work out $15 - 4 \times 6$.	
	Answer [1]	
4	Work out $\frac{2}{3}$ of \$75.	
	<i>Answer</i> \$ [1]	
_	Write down the value of $(0.2)^2$	
5	Write down the value of $(0.2)^2$.	
	Answer [1]	

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	2	4	w.m.	31
6	$8 11 \frac{5}{6}$	$\sqrt{3}$ 12	nun.m	Math
		• -		1sc
	From these five numbers, write down			
	(a) an irrational number,			
		Answer(a)		[1]
	(b) a prime number,			
		Answer(b)		[1]
	(c) the highest common factor of 24 and 40.			
		Answer(c)		[1]
7	Work out $\frac{2}{5} - \frac{1}{15}$, giving your answer in its lowest			
		Answer		[3]
8	Johan walks at 3 km/h for 3 hours. He then walks another 5 kilometres in 2 hours. Calculate Johan's overall average speed.			
		Answer	km/ł	n [2]
9	Factorise completely $15a - 3ac$.			
		Answer		[2]









Answer(b) [1]

(c) At Q, y = 6.

Find the x co-ordinate of Q.

- *Answer(c)* [1]
- (d) Another straight line, L, is parallel to the line $y = \frac{1}{2}x + 4$ and passes through (0, 1).

Write down the equation of *L* in the form y = mx + c.

Answer(d) [2]

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