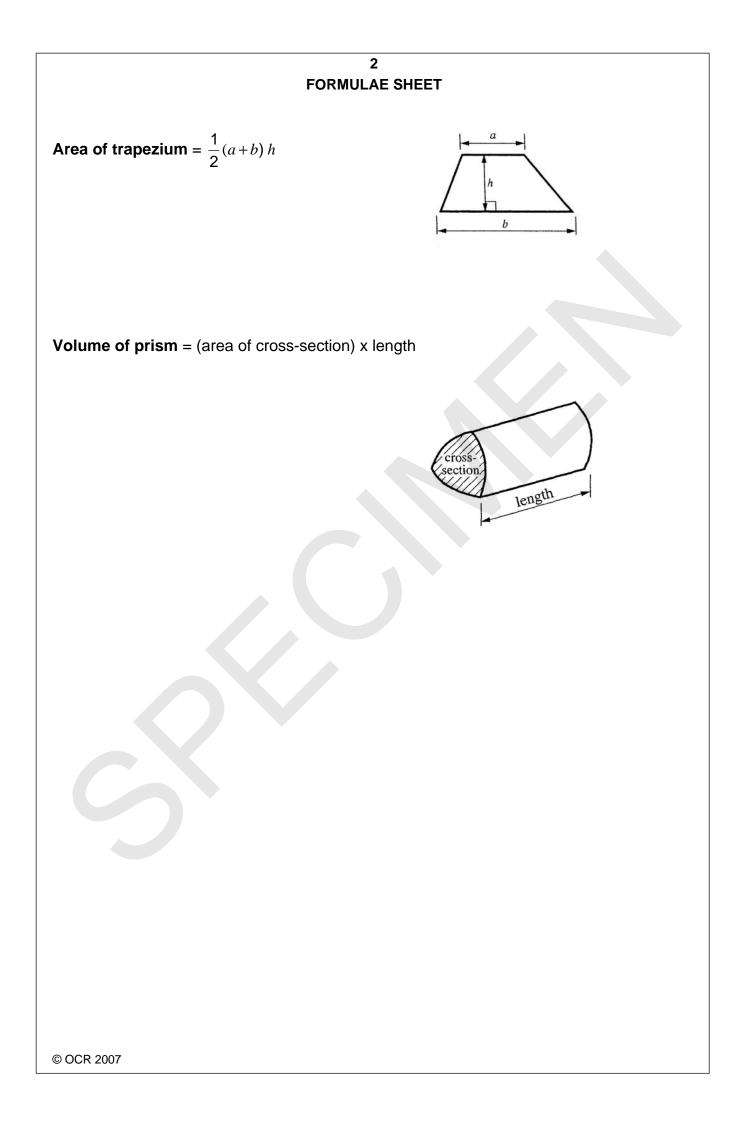
	R	SPECIMEN
GENERAL ( MATHEM) Foundation		B281/A
TERMINA	L PAPER – SECTION A	
SPECIME	Ν	
Additional Ma Ge	nswer on the question paper. terials: eometrical instruments acing paper (optional)	Time: 1 hour
Candidate Name		
Centre Number		andidate umber
<ul> <li>Write your na</li> <li>Answer all the</li> <li>Use blue or b</li> <li>Read each qu</li> <li>In many ques</li> <li>Do not write i</li> <li>Do not write i</li> <li>WRITE YOUF</li> <li>ELSEWHERE</li> <li>INFORMATION F</li> <li>The number of</li> </ul>	lack ink. Pencil may be used for graphs a uestion carefully and make sure you know tions marks will be given for a correct me in the bar code. putside the box bordering each page.	nd diagrams only. what you have to do before starting your answer. thod even if the answer is incorrect. E SPACE PROVIDED. ANSWERS WRITTEN
	NG You are not allowed a calculator in this paper.	For Examiner's Use Section A
	This document consists of <b>14</b> printe	ed pages and <b>2</b> blank pages.

SP (SLM) T12103

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[Turn over



		3	
1	This	is a map of Minehead.	
		Art Gallery N Hotel Hospital Theatre	
	(a)	Andy turns left out of the Station. He walks along The Avenue.	
		<ul><li>(i) Which compass direction is he walking in?</li><li>(a)(i)</li></ul>	[1]
		(ii) Which building is on his right?	
	(b)	(ii) Roger comes out of the Hotel and turns left into North Road. He turns left into Blenheim Road.	_ [1]
		Which compass direction is he walking in?	
	(c)	(b) Val walks from the Hotel to the Art Gallery. Complete these directions for her journey.	_ [1]
		Turn left out of the Hotel into North Road.	
		Turn into Quay Lane.	[1]
		Turn left into	[1]
		5	
		[Turn	over
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London	05 33	06 34	07 39	08 12	09 09	10 12	10 42	
Paris	08 23	09 23	10 23	10 47	11 53	12 53	13 34	
Paris	13 43	15 07	16 10	16 43	17 16	18 19	19 43	
London	16 28	17 57	18 57	19 25	19 58	20 54	22 28	
	vhat time doe v long does ti			ndon arrivo (a)(i) _	e in Paris?			
<ul> <li>(ii) hours minutes</li> <li>b) Bev arrives in Paris at 09 23. She spends 8 hours shopping in Paris. What is the time of the next train she can catch back to London?</li> </ul>								
She spe				catch bac	k to Londo	on?		
She spe What is Mary is She nee		e next tra andchildr ket and 3	ain she can en to Paris 5 child ticke	<b>(b)</b> _ for the day		on?		
She spe What is Mary is She nee	the time of th aking her gra ds 1 adult tic	e next tra andchildr ket and 3 ticket pri	ain she can en to Paris 5 child ticke	<b>(b)</b> _ for the day		on?		
She spe What is Mary is She nee	the time of th aking her gra ds 1 adult tic e shows the	e next tra andchildr ket and 3 ticket prio	ain she can en to Paris 3 child ticke ces.	<b>(b)</b> _ for the day		n?		
She spe What is Mary is She nee This tab	the time of th aking her gra ds 1 adult tic e shows the Sin	e next tra andchildr ket and 3 ticket prio	ain she can en to Paris 5 child ticke ces. Return	<b>(b)</b> _ for the day		n?		

5	10	12	16	18	28	32	42	48	80	
(a)		is a	a square	e numbei	r.					
<b>(b)</b> 2+5×	< 6 =									
<b>(c)</b> (21 – 1	13) x (14	– 8) =							3	

4 This table shows the singles with the highest sales in Britain.

Artist	Title	Year	Number Sold (millions)
The Beatles	She Loves you	1962	1.89
Queen	Bohemian Rhapsody	1975	2.13
Wings	Mull of Kintyre	1977	2.05
Boney M	Brown Girl In The Ring	1978	1.99
Boney M	Mary's Boy Child	1978	1.79
John Travolta & Olivia Newton John	You're the One that I Want	1978	1.98
Frankie Goes to Hollywood	Relax	1983	1.91
Band Aid	Do They Know It's Christmas	1984	3.55
Robson & Jerome	Unchained Melody	1995	1.84
Elton John	Candle In The Wind	1997	4.86

(a) Which single sold nearest to two million?

[1]

[2]

(b) Write down the five largest sales in order, *largest* first.

largest

(c) There are three singles from 1978 in the top ten.

How many copies did these three singles sell altogether?

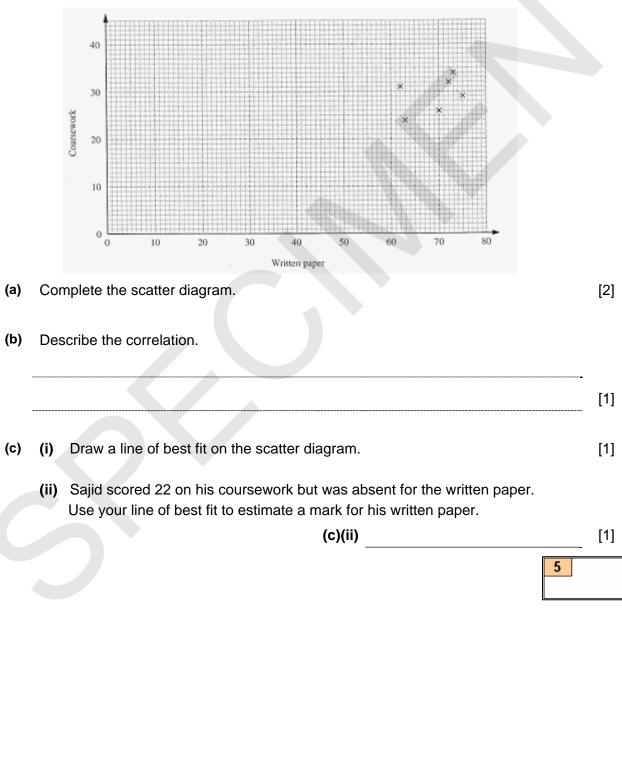
(c) million [2]

4	(d)	The Beatles song 'I Want to Hold Your Hand' sold fifty thousand singles.	one million seven hundred and	
		Write one million seven hundred and fifty thousand	d in figures.	[1]
			6	
5	This	map shows the temperatures in some Italian cities	one day in winter.	
		Milan -3°C Genoa -1°C Rome 1°C Naples 6°C		
	(a)	Which city is the coldest? (a)		[1]
	(b)	Complete the sentences.		
		(i) Genoa is	degrees warmer than Milan.	[1]
		(ii) Genoa is	degrees cooler than Naples.	[1]
			3	
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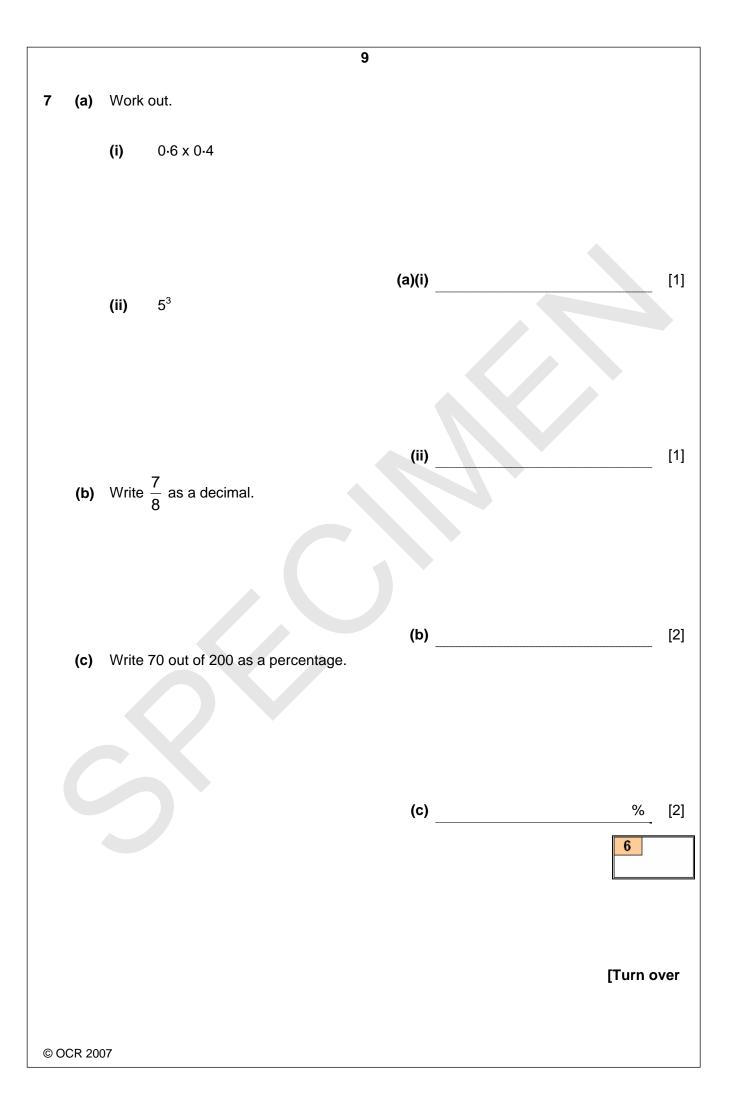
6 An examinations consists of a written paper and a piece of coursework. The marks for 12 candidates are shown below.

Written Paper	75	73	72	70	63	62	60	55	52	47	33	15
Coursework	29	34	32	26	24	31	25	19	20	18	17	5

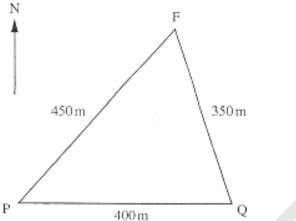
The marks for the first six candidates have been plotted on the scatter diagram below.



8



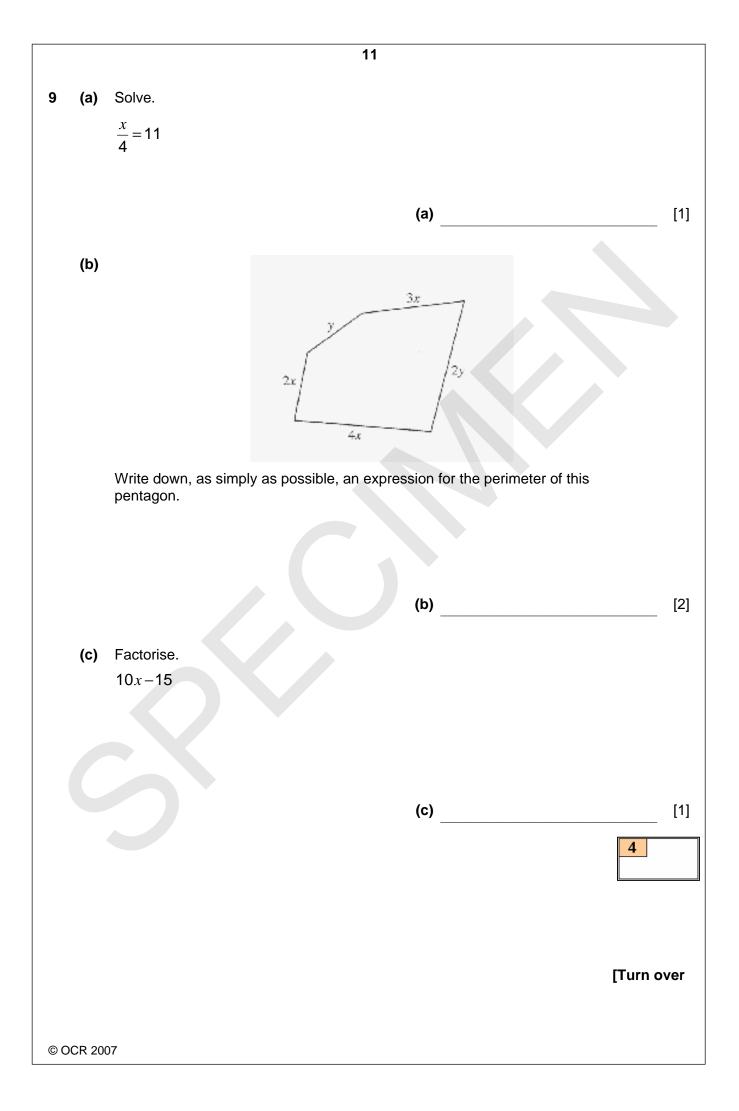
8 The diagram shows the positions of two piers, P and Q, and a ferry F. P is due West of Q.



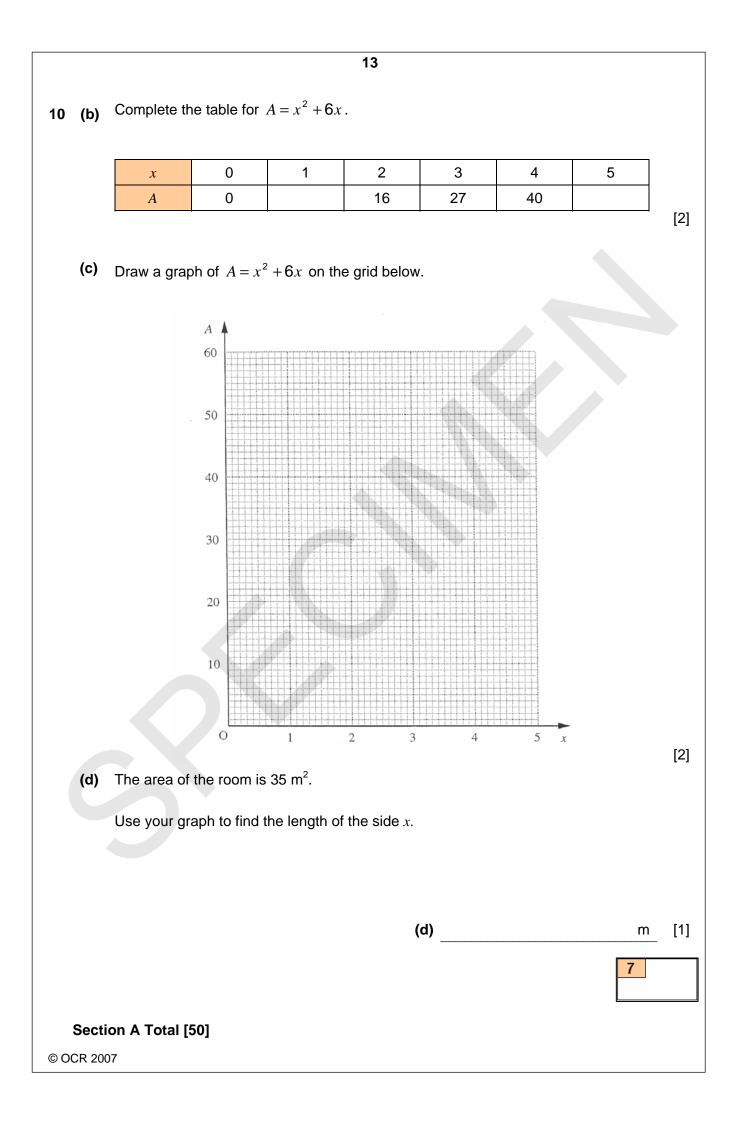
Make an accurate scale drawing of triangle PQF. Use a scale of **1 cm to 50 m**.

[3]

Not to scale



	12	
10 All the	e lengths in this question are in metres.	
	x	
The d	diagram shows the plan of a room.	
	Show that the area, <i>A</i> , of the room is given by $A = x^2 + 6x$ .	
	[2	2]
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## OXFORD CAMBRIDGE AND RSA EXAMINATIONS

B281/A

**General Certificate of Secondary Education** 

## MATHEMATICS C

**TERMINAL PAPER – SECTION A** 

## Specimen Mark Scheme

The maximum mark for this section is 50.

1	(a)(i)	West	B1			
1	(a)(i)		B1 B1			
	(ii)	Hospital				
	(b)	South-West	B1	_		
	(c)	Right Quay Street	B1	5		
2	(a)(i)	10 47	B1			
	(ii)	2 hr 35 mins	B1			
	(b)	18 19	B1			
	(c)	£27	M2A3			M1 59=3x48 or 2(40+3x25)
				_		A1 £203 A1 230
				8		M1 230-203
3	(a)	16	B1			
	(b)	32	B1			
	(c)	48	B1	3		
4	$(\mathbf{a})$	Prown girl in the ring	B1			
4	(a)	Brown girl in the ring				B1 0e00
	(b)	4.86, 3.55, 2.13, 2.005, 1.99	B2			M1 1.99=1.79=1.98
	(c)	5.76	M1A1			WT 1.35-1.75-1.80
	(d)	1 750 000	B1	6		
5	(a)	Verona	B1			
	(b)(i)	2	B1			
	(ii)	7	B1	3		
6	(2)	5 or 6 correct plots	B2			B1 3 or 4 correct plots
U	(a) (b)	Positive				
	(b)		B1			
	(c)(i)	l.o.b.f	B1	-		
	(ii)	50-56	B1	5		
7	(a)(i)	0.24	B1			
	(ii)	125	B1			
	(b)	0.875	M1A1			M1 7÷ 8
	(c)	35%	M1A1			M1 <u>35</u> or 70 ÷ 200 x 100
				6		100
8		PQ 8 cm	B1			All lines ± 2 mm
		PF 9 cm	B1			
		QF 7 cm	B1	3		

9	(a) (b) (c)	$ \begin{array}{r} 44 \\ 9x + 3y \\ 5(2x - 3) \end{array} $	B1 B2 B1	4	B1 9 <i>x</i> or 3 <i>y</i>
10	(a) (b) (c) (d)	$x \times x + 3 \times 2x$ 7,,, 55 smooth curve through plotted points 3.5 - 3.7 ft	B2 B1 B1 B2 B1ft	7	Convincing B1 1 error in plots

Section A Total 50

Assessment	Objectives Grid
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Question	AO2	AO3	AO4	Total
1		5		5
2	5		3	8
3	3			3
4	6			6
5	3			3
6			5	5
7	6			6
8		3		3
9	4			4
10	7			7
Totals	34	8	8	50