UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS
International General Certificate of Secondary Education

CAMBRIDGE INTERNATIONAL MATHEMATICS **0607/01**

Paper 1 (Core) **For Examination from 2010**

SPECIMEN MARK SCHEME

45 minutes

MAXIMUM MARK: 40

This document consists of **3** printed pages and **1** blank page.

UNIVERSITY of CAMBRIDGE
International Examinations

[Turn over

TYPES OF MARK

- **M** marks are given for a correct method.
- **A** marks are given for an accurate answer following a correct method.
- **B** marks are given for a correct statement or step.
- **D** marks are given for clear and appropriately accurate drawing.
- **P** marks are given for accurate plotting of points.
- **E** marks are given for correctly explaining or establishing a given result.
- **C** marks are given for clear communication (Papers 5 and 6 only).
- **R** marks are given for appropriate reasoning (Papers 5 and 6 only).

ABBREVIATIONS

- ft Follow through
- oe Or equivalent
- soi Seen or implied
- www Without wrong working

1		11	B1	
2		85	B1	
3		–9	B1	
4		50	B1	
5		0.04	B1	
6	**(a)**	$\sqrt{3}$	B1	
	(b)	11	B1	
	(c)	8	B1	
7		$\frac{6}{15} - \frac{1}{15}$ $\frac{5}{15}$ $\frac{1}{3}$	M1 M1 A1	
8		$\frac{3 \times 3 + 5}{5}$ 2.8	M1 A1	
9		$3a(5 - c)$	B2	B1 for $3(5a - ac)$ or $a(15 - 3c)$
10		$3n - 6 = 2 - 3n$ $3n + 3n = 2 + 6$ $\frac{4}{3}$ oe	M1 A1 A1	or better
11	**(a)**	$\frac{1}{5}$	B1	
	(b)	$2q^4$	B1B1	
12	**(a)** **(i)**	–1 to 2	B1	
	(ii)	0 to 2	B1	
	(b)	Graph drawn 1 unit to left	B1	
13		$2m + 3n = 13$ $9m - 3n = 9$ oe $m = 2, n = 3$	M1 A1 A1	If fully correct, by any method, B3

14	**(a)**		$\begin{pmatrix} 6 \\ -4 \end{pmatrix}$	B1 B1	
	(b)		(–1, 1)	B1	
15	**(a)**	**(i)**	3, 4, 5, 9	B1	
		(ii)	2, 6, 7, 8	B1	
		(iii)	5, 9	B1	
	(b)	**(i)**	$\subset$	B1	
		(ii)	$\cup$	B1	
16	**(a)**		4	B1	
	(b)		$\frac{1}{2}$	B1	
	(c)		4	B1	
	(d)		$y = \frac{1}{2}x + 1$	B2	dependent on $y =$, then B1 for $\frac{1}{2}$ or B1 for 1 (max 1)