Centre No.						Paper Reference							Surname	Initial(s)
Candidate No.						5	5	0	9	/	9	A	Signature	

Paper Reference(s)

5509/9A

Examiner's use only

Team Leader's use only

Edexcel GCSE

Mathematics B – 1388

Paper 9 – Section A (Non-Calculator)

Intermediate Tier

Module Test 1

Tuesday 7 November 2006 – Morning

Time for Section A: 25 minutes

Question Number	Leave Blank
A	
B	

Materials required for examination

Ruler graduated in centimetres and millimetres, protractor, compasses, pen, HB pencil, eraser.
Tracing paper may be used.

Items included with question papers

Nil

Instructions to Candidates

In the boxes above, write your centre number, candidate number, your surname, initials and signature.
Check that you have the correct question paper.
Answer ALL the questions. Write your answers in the spaces provided in this question paper.
You must NOT write on the formulae page. Anything you write on the formulae page will gain NO credit.
If you need more space to complete your answer to any question, use additional answer sheets.

Information for Candidates

The marks for individual questions and the parts of questions are shown in round brackets: e.g. **(2)**.
This section has 7 questions. The total mark for this section is 19. The total mark for this paper is 38.
There are 8 pages in this question paper. Any blank pages are indicated.
Calculators may be used for Section B only.

Advice to Candidates

Show all stages in any calculations.
Work steadily through the paper. Do not spend too long on one question.
If you cannot answer a question, leave it and attempt the next one.
Return at the end to those you have left out.

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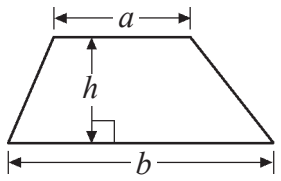
GCSE Mathematics 1387/8

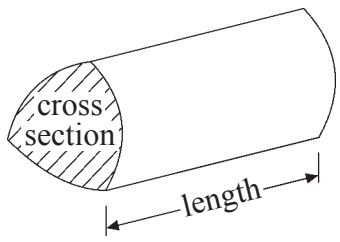
Formulae: Intermediate Tier

You must not write on this formulae page.
Anything you write on this formulae page will gain NO credit.

Area of trapezium = $\frac{1}{2}(a+b)h$



Volume of prism = area of cross section × length



Leave blank

SECTION A

Answer ALL SEVEN questions.

Write your answers in the spaces provided.

You must write down all stages in your working.

You must NOT use a calculator for this section.

1. (a) Work out -2×-7

.....

(1)

(b) Work out $5^2 \times 4$

.....

(1)

(c) Find the cube root of 27

.....

(1) **Q1**

(Total 3 marks)

2. A football club played 60 games.
The two-way table shows some information about the results of these games.

	Win	**Draw**	**Loss**	**Total**
League games	20	11		52
Cup games		4	3	
Total				60

Complete the two-way table.

Q2

(Total 3 marks)

Leave blank

3. (a) $D = 5t - 4$

Work out the value of D when $t = 3$

$D =$ .....

(2)

(b) Tick (✓) the box underneath the word which describes $5t - 4$

Equation	Expression	Formula	Identity

(1)

Q3

(Total 3 marks)

4.

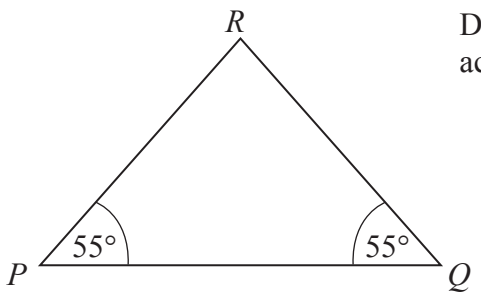


Diagram **NOT** accurately drawn

(a) Work out the size of angle R.

..... °

(2)

(b) Triangle PQR is isosceles.

Explain why.

.....

.....

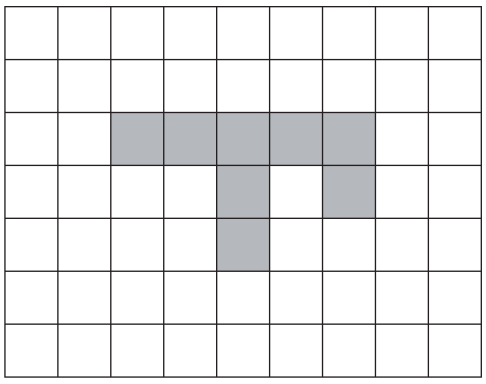
(1)

Q4

(Total 3 marks)

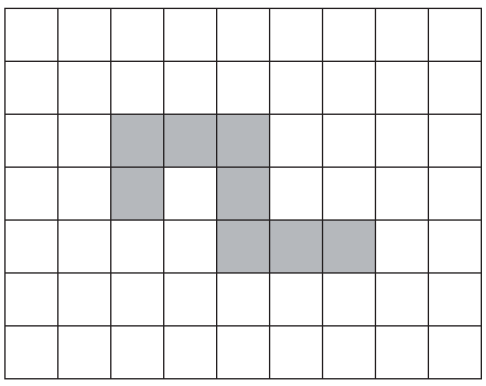
Leave blank

5. (a) On the diagram, shade **one** square so that the shape has exactly **one** line of symmetry.



(1)

(b) On this diagram, shade **one** more square so that the shape has rotational symmetry of order **2**



(1) **Q5**

(Total 2 marks)

Leave blank

6. The size of each exterior angle of a regular polygon is 30°.

Work out the number of sides of the polygon.

.....

Q6

(Total 2 marks)

7. Work out $4\frac{1}{3} - 1\frac{3}{4}$

Give your answer as a fraction in its simplest form.

.....

Q7

(Total 3 marks)

TOTAL FOR SECTION A: 19 MARKS

END

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