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

Section	Leave Blank
A	
B	

Module Test 1

Thursday 8 March 2007 – Morning

Time for Section A: 25 minutes

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 8 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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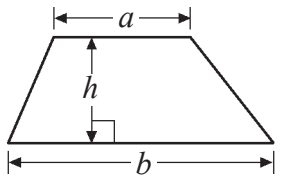
GCSE Mathematics 1387/8

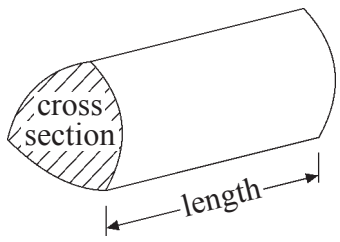
Formulae: Intermediate Tier

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



N 2 5 8 8 2 A 0 2 0 8

Leave blank

SECTION A

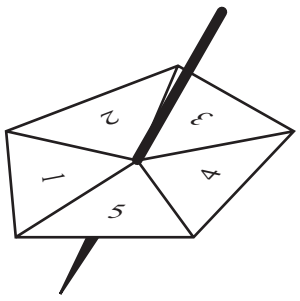
Answer ALL EIGHT questions.

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. The diagram shows a 5-sided spinner and a coin.



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Finlay spins the spinner once. He then throws the coin once.

Write down all the possible outcomes.
One has already been done for you.

(5, Head)

.....

.....

(Total 2 marks)

Q1

2. $P = 2x - 3$

Work out the value of P when $x = -4$

$P =$ .....

(Total 2 marks)

Q2

Turn over

Leave blank

3. Simplify $3x + 4y + 2x - y$

.....

Q3

(Total 2 marks)

4.

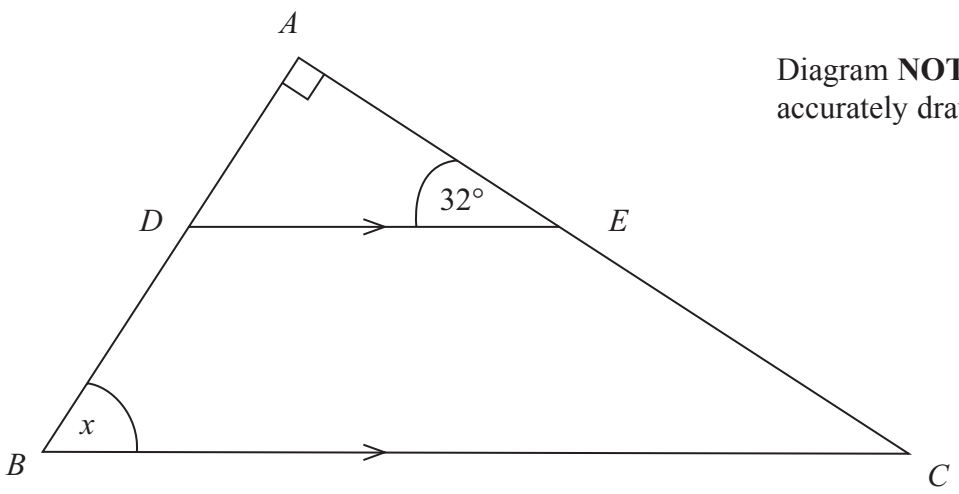

Diagram **NOT** accurately drawn

ABC is a right-angled triangle.
Angle *BAC* = 90°.
DE is parallel to *BC*.
Angle *AED* = 32°.

(i) Work out the size of angle *x*.

..... °

(ii) Give reasons for your answer.

.....

.....

Q4

(Total 3 marks)

N 2 5 8 8 2 A 0 4 0 8

Leave blank

5. Stephen wants to collect information about how much time his friends spend doing homework.

Design a suitable question that he could use on a questionnaire.
You must include response boxes.

Q5

(Total 2 marks)

6. Work out $3\frac{3}{8} + 2\frac{1}{4}$

.....

Q6

(Total 2 marks)

7. (a) Factorise $5p - 20$

.....

(1)

(b) Solve $3(x - 2) = x + 1$

$x =$ .....

(3)

Q7

(Total 4 marks)

N 2 5 8 8 2 A 0 5 0 8

Leave blank

8. Work out the Highest Common Factor (HCF) of 70 and 105

..... **Q8**

(Total 2 marks)

TOTAL FOR SECTION A: 19 MARKS

END

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