

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

Paper Reference(s)

**5509/9A**

**Edexcel GCSE**

**Mathematics B – 1388**

Paper 9 – Section A (Non-Calculator)

**Intermediate Tier**

Module Test 1

Thursday 8 March 2007 – Morning

Time for Section A: 25 minutes

Examiner's use only

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Team Leader's use only

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Section	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 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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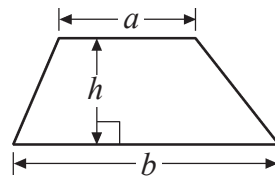
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**GCSE Mathematics 1387/8**

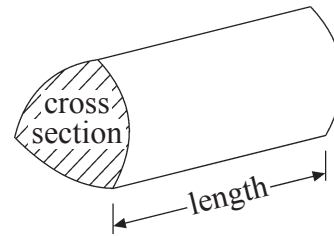
Formulae: Intermediate Tier

**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  $\times$  length



Leave  
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**SECTION A**

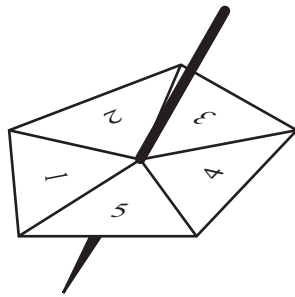
**Answer ALL EIGHT questions.**

**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)

.....  
.....

**Q1**

**(Total 2 marks)**

2.  $P = 2x - 3$

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

$P =$  .....

**Q2**

**(Total 2 marks)**



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

Leave blank

Q3

(Total 2 marks)

4.

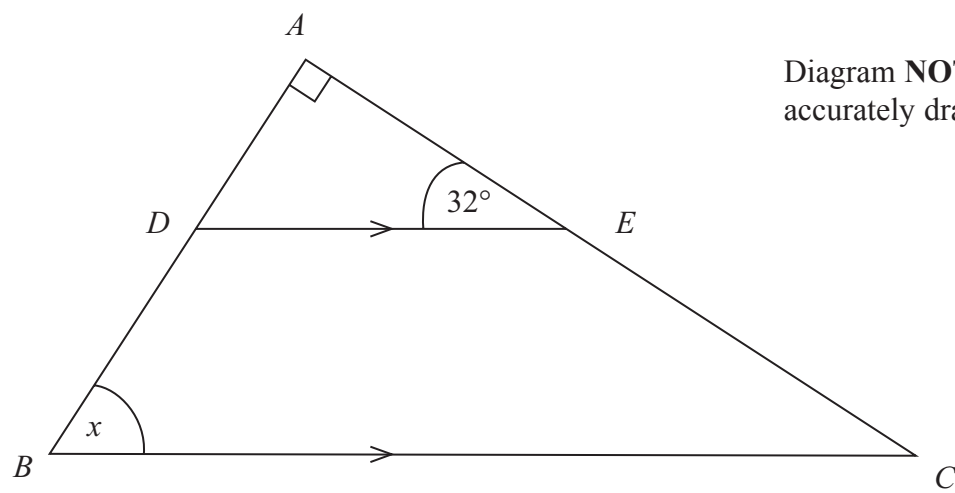


Diagram NOT accurately drawn

$ABC$  is a right-angled triangle.  
Angle  $BAC = 90^\circ$ .  
 $DE$  is parallel to  $BC$ .  
Angle  $AED = 32^\circ$ .

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

.....<sup>o</sup>

(ii) Give reasons for your answer.

.....  
.....

Q4

(Total 3 marks)



<p>5. Stephen wants to collect information about how much time his friends spend doing homework.</p> <p>Design a suitable question that he could use on a questionnaire. You must include response boxes.</p>	<p>Leave blank</p> <p><b>Q5</b></p> <input type="text"/>
<p>6. Work out <math>3\frac{3}{8} + 2\frac{1}{4}</math></p> <p>.....</p> <p><b>(Total 2 marks)</b></p>	<p><b>Q6</b></p> <input type="text"/>
<p>7. (a) Factorise <math>5p - 20</math></p> <p>.....</p> <p><b>(1)</b></p> <p>(b) Solve <math>3(x - 2) = x + 1</math></p> <p><math>x =</math> .....</p> <p><b>(3)</b></p> <p><b>(Total 4 marks)</b></p>	<p><b>Q7</b></p> <input type="text"/>



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

Leave  
blank

.....  
Q8

(Total 2 marks)

**TOTAL FOR SECTION A: 19 MARKS**

**END**



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