

Centre No.						Paper Reference					Surname	Initial(s)		
Candidate No.						5	5	1	2	/	12	A	Signature	

Paper Reference(s)

5512/12A

Edexcel GCSE

Mathematics B – 1388

Paper 12 – Section A (Non-Calculator)

Intermediate Tier

Module Test 2

Thursday 8 March 2007 – Afternoon

Time for Section A: 25 minutes

Examiner's use only

--	--	--

Team Leader's use only

--	--	--

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 6 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.

This publication may be reproduced only in accordance with Edexcel Limited copyright policy. ©2007 Edexcel Limited.

Printer's Log. No.
N25888A

W850/R1388/57570 6/6/6/4



Turn over

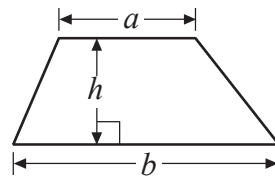
edexcel
advancing learning, changing lives

GCSE Mathematics 1387/8

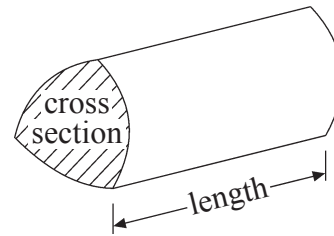
Formulae: Intermediate Tier

**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
blank

SECTION A

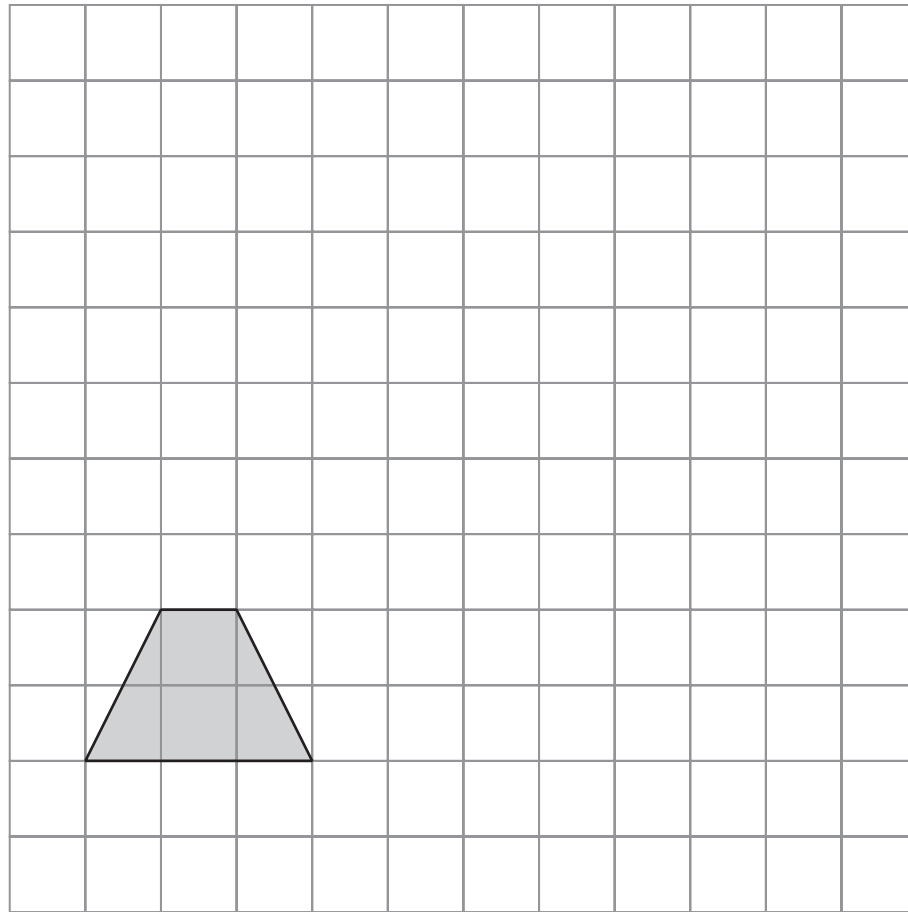
Answer ALL SIX questions.

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.



On the grid, enlarge the shaded shape with a scale factor of 2.

(Total 2 marks)

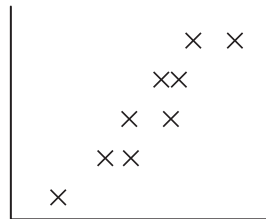
Q1



N 2 5 8 8 8 A 0 3 0 8

Leave blank

2. (a) Here is a scatter graph.



Circle the words that best describe the correlation shown in the scatter graph.

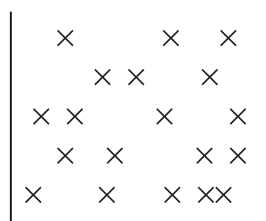
Positive correlation

Negative correlation

No correlation

(1)

(b) Here is another scatter graph.



Circle the words that best describe the correlation shown in this scatter graph.

Positive correlation

Negative correlation

No correlation

(1)

Q2

(Total 2 marks)



Leave
blank

3. The Tigers played in a hockey league.
Last season the numbers of games they won, drew or lost were in the ratio 4 : 3 : 2

(a) Find the fraction of their games that the Tigers won.

.....
(2)

The Tigers played 36 games last season.

(b) Work out how many games they won.

.....
(2)

(Total 4 marks)

Q3

4. $C = \frac{A(B+9)}{20}$

Work out the value of C when $A = 8$ and $B = -4$

.....
(Total 3 marks)

Q4



Leave blank

5.

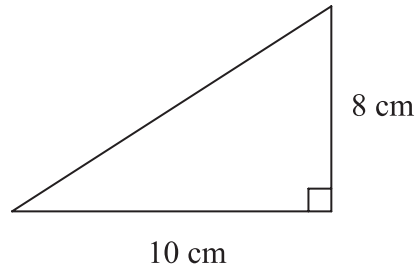


Diagram **NOT** accurately drawn

(a) Work out the area of the triangle.

..... cm²
(2)

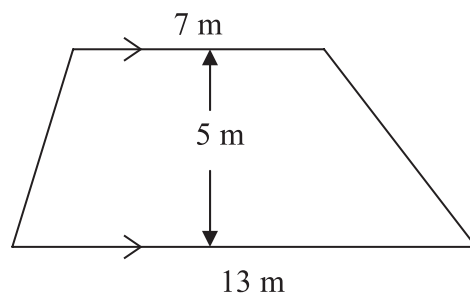


Diagram **NOT** accurately drawn

(b) Work out the area of the trapezium.

..... m²
(2)

(Total 4 marks)

Q5



Leave
blank

6. (a) Expand and simplify $(x + 5)(x - 2)$

.....
(2)

(b) Factorise completely $7e^2 + 14ef$

.....
(2)

(Total 4 marks)

Q6

TOTAL FOR SECTION A: 19 MARKS

END



BLANK PAGE

