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.
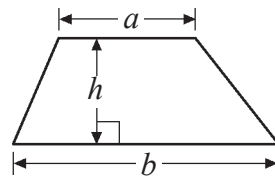Return at the end to those you have left out.

N25888A0108

Turn over

edexcel
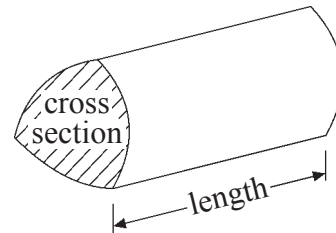advancing learning, changing lives

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

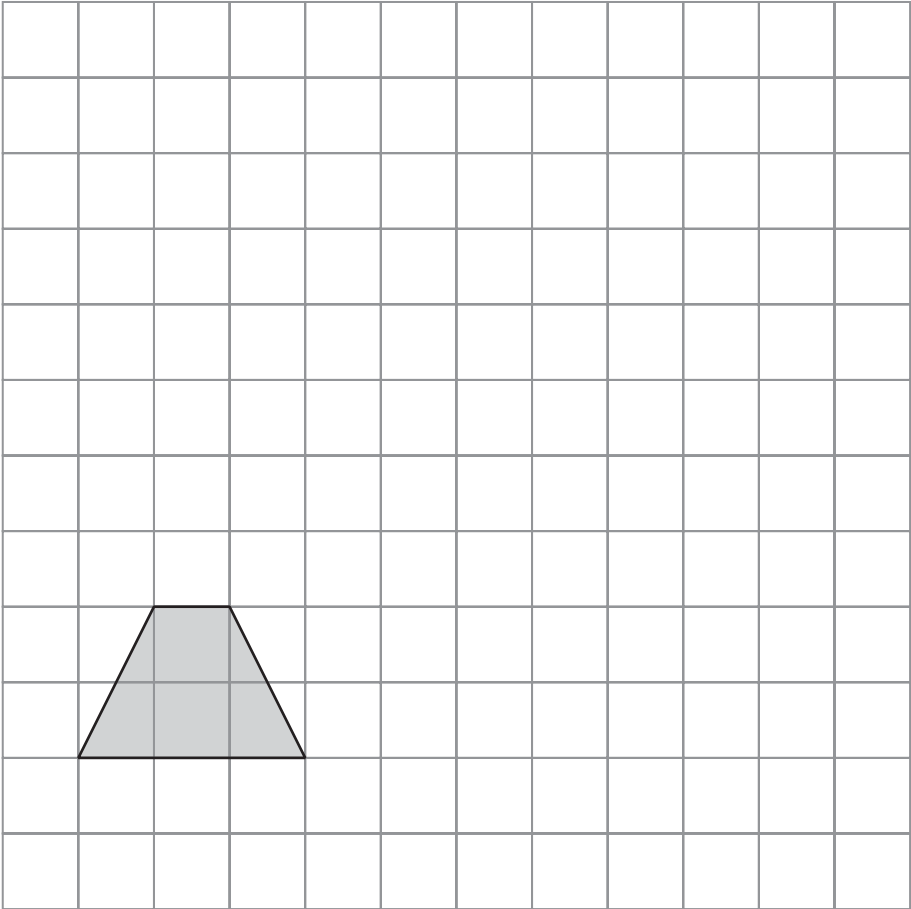**Volume of prism** = area of cross section × length

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.

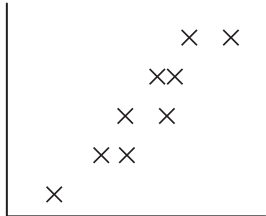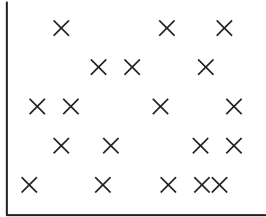On the grid, enlarge the shaded shape with a scale factor of 2.

(Total 2 marks)

Q1

2. (a) Here is a scatter graph.

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

Positive   Negative   No
correlation   correlation   correlation

(1)

(b) Here is another scatter graph.

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

Positive   Negative   No
correlation   correlation   correlation

(1)

(Total 2 marks)

Q2

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) **Q3**

(Total 4 marks)

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

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

.... **Q4**

(Total 3 marks)

5.

8 cm

10 cm
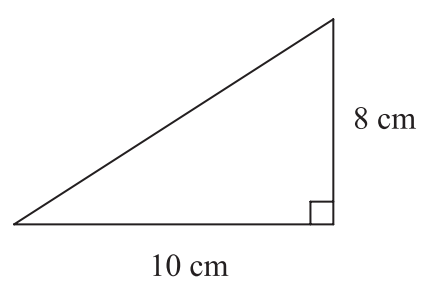
Diagram **NOT** accurately drawn

(a) Work out the area of the triangle.

.... cm^2

(2)

7 m

5 m

13 m
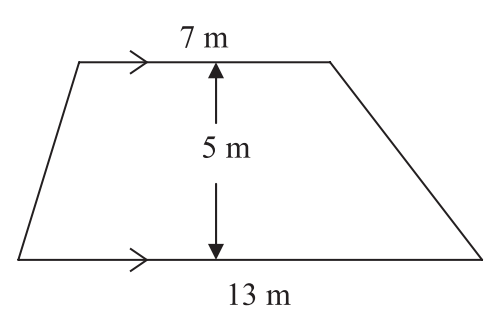
Diagram **NOT** accurately drawn

(b) Work out the area of the trapezium.

.... m^2

(2)

Q5

(Total 4 marks)

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

....
(2)

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

....
(2) Q6

(Total 4 marks)

TOTAL FOR SECTION A: 19 MARKS

END

BLANK PAGE