

Centre No.						Paper Reference					Surname	Initial(s)			
Candidate No.						5	5	4	3	F	/	10	A	Signature	

Paper Reference(s)

5543F/10A

Edexcel GCSE

Mathematics B (Modular) – 2544

Paper 10 – Section A (Calculator)

Foundation Tier



Unit 3 Test

Monday 18 June 2007 – Afternoon

Time for Section A: 30 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, calculator. 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 9 questions. The total mark for this section is 25. The total mark for this paper is 50. There are 8 pages in this question paper. Any blank pages are indicated.

Calculators may be used for Section A only.

If your calculator does not have a π button, take the value of π to be 3.142 unless the question instructs otherwise.

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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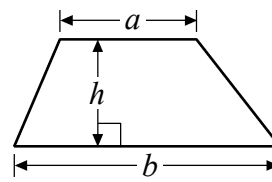
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GCSE Mathematics (Modular) 2544

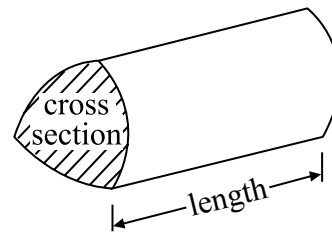
Formulae: Foundation Tier

**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



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SECTION A

Answer ALL NINE questions.

Write your answers in the spaces provided.

You must write down all stages in your working.

1. (a) Write the number 5264 in words.

.....
(1)

- (b) Write the number 5264 to the nearest hundred.

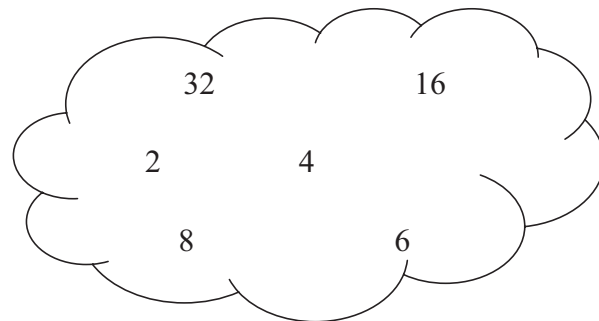
.....
(1)

- (c) Write down the value of the 6 in the number 5264

.....
(1)
(Total 3 marks)

Q1

2.



From the numbers in the cloud, write down

- (a) a square number,

.....
(1)

- (b) the square root of 16,

.....
(1)

- (c) the cube of 2,

.....
(1)

- (d) the prime number.

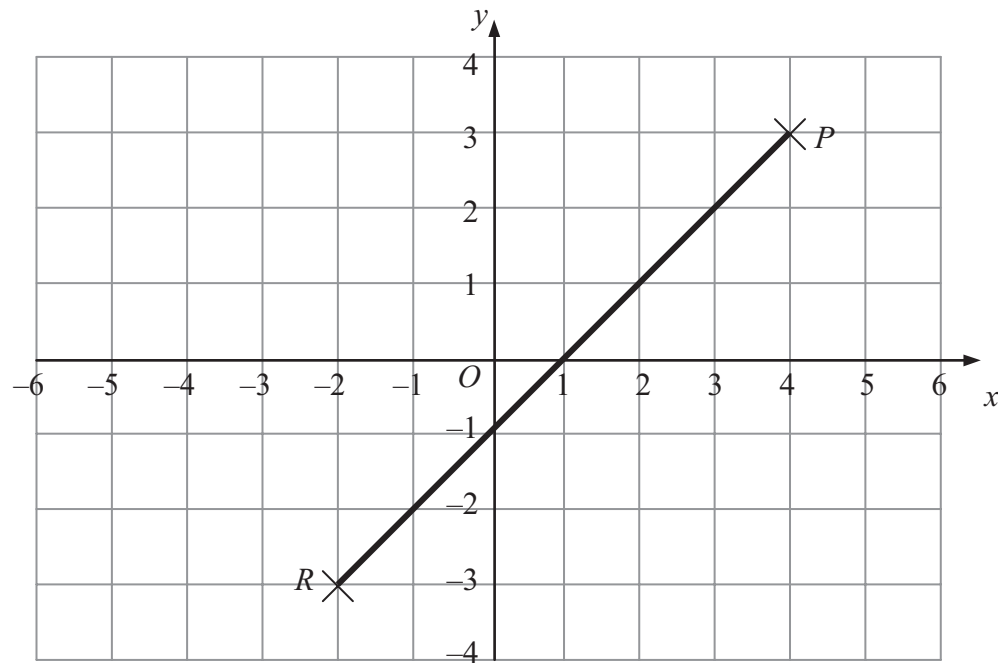
.....
(1)
(Total 4 marks)

Q2



Leave blank

3.



- (a) Write down the coordinates of the point P .
(.....,)
(1)
- (b) On the grid, mark the point $(-3, 1)$ with a cross (\times).
Label the point Q .
(1)
- (c) Write down the coordinates of the midpoint of the line PR .
(.....,)
(2)
- (Total 4 marks)**

Q3

4.

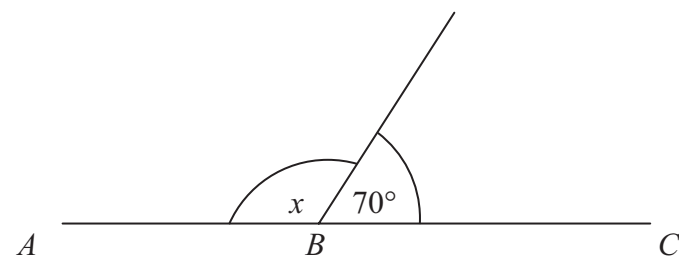


Diagram NOT accurately drawn

- ABC is a straight line.
- (i) Work out the size of the angle marked x .
.....^o
- (ii) Give a reason for your answer.
.....
- (Total 2 marks)**

Q4



Leave
blank

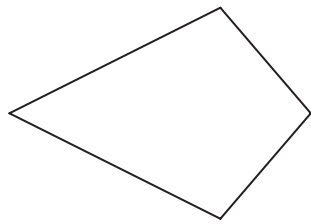
5. Here are some quadrilaterals.

Draw an arrow from each quadrilateral to its mathematical name.

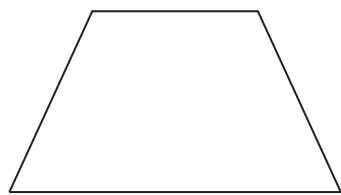
The square has been done for you.



rectangle



square



parallelogram



rhombus

kite

trapezium

(Total 2 marks)

Q5

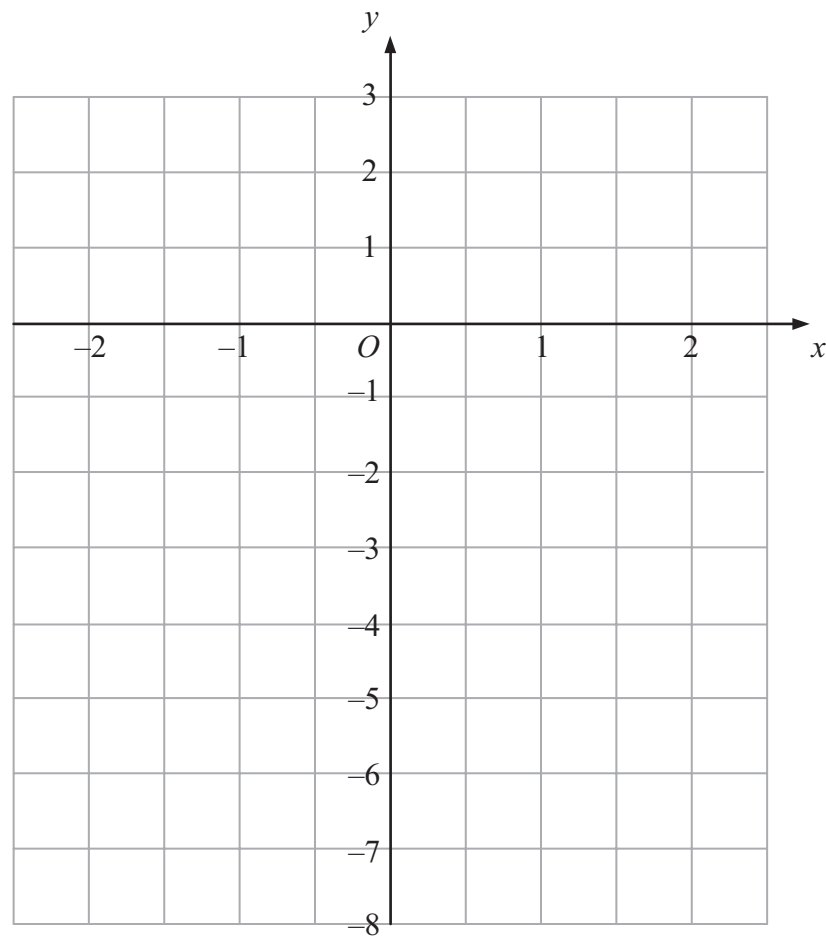
5

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N 2 9 4 5 6 A 0 5 0 8

6.



On the coordinate grid, draw the graph of $y = 2x - 3$
Use values of x from -2 to $+2$

Leave
blank

Q6

(Total 3 marks)



Leave blank

7.

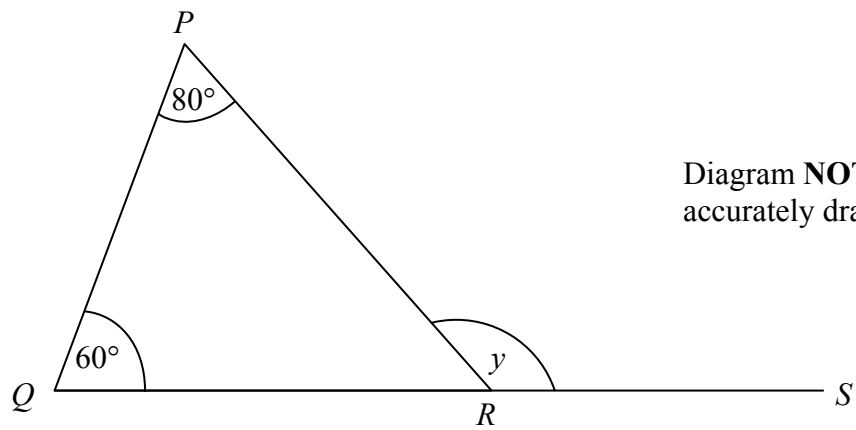


Diagram **NOT** accurately drawn

PQR is a triangle.
 QRS is a straight line.
Angle $P = 80^\circ$
Angle $Q = 60^\circ$

Find the size of the angle marked y .

$y = \dots\dots\dots^\circ$

(Total 2 marks)

Q7

8. Joe travelled 60 miles in 1 hour 30 minutes.

Work out Joe's average speed.
Give your answer in miles per hour.

$\dots\dots\dots$ miles per hour

(Total 2 marks)

Q8



Leave
blank

9. (a) Find the Highest Common Factor (HCF) of 24 and 36

.....
(1)

(b) Write 96 as a product of its prime factors.

.....
(2)

(Total 3 marks)

Q9

TOTAL FOR SECTION A: 25 MARKS

END

