Please check the examination details below before entering your candidate information

Candidate surname	Other names

Centre Number | Candidate Number

Pearson Edexcel International GCSE

Wednesday 5 November 2025

Morning (Time: 2 hours)

Paper reference **4MA1/1F**

Mathematics A

PAPER 1F
Foundation Tier

You must have: Ruler graduated in centimetres and millimetres, protractor, pair of compasses, pen, HB pencil, eraser, calculator. Tracing paper may be used.

Total Marks

Instructions

- Use **black** ink or ball-point pen.
- **Fill in the boxes** at the top of this page with your name, centre number and candidate number.
- Answer **all** questions.
- Without sufficient working, correct answers may be awarded no marks.
- Answer the questions in the spaces provided
  – *there may be more space than you need.*
- **Calculators may be used.**
- You must **NOT** write anything on the formulae page.
  Anything you write on the formulae page will gain NO credit.

Information

- The total mark for this paper is 100.
- The marks for **each** question are shown in brackets
  – *use this as a guide as to how much time to spend on each question.*

Advice

- Read each question carefully before you start to answer it.
- Check your answers if you have time at the end.

Turn over ▶

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M:1/1/1/1/

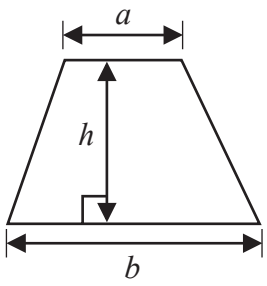
P 7 9 7 8 3 A 0 1 2 4

Pearson

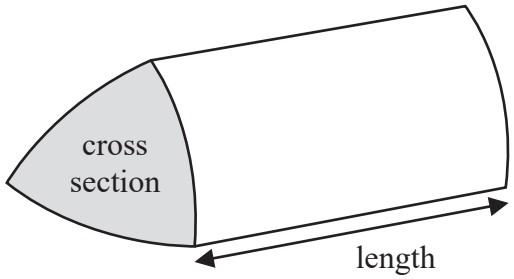
International GCSE Mathematics

Formulae sheet – Foundation Tier

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

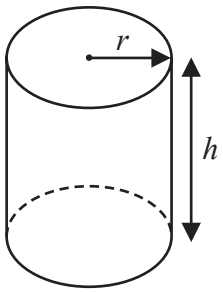


Volume of prism = area of cross section × length



Volume of cylinder = $\pi r^2 h$

Curved surface area of cylinder = $2\pi rh$



Answer ALL TWENTY NINE questions.

Write your answers in the spaces provided.

You must write down all the stages in your working.

1 (a) Write in figures the number six thousand, seven hundred and five.

.....

(1)

(b) Write these numbers in order of size.
Start with the smallest number.

567 498 512 427 531

.....

(1)

(c) Tick (✓) the box that describes the value of the 7 in 0.3785

7 tenths	7 tens	7 hundreds	7 hundredths	7 thousandths

(1)

(d) Write down the multiple of 6 that is between 19 and 29

.....

(1)

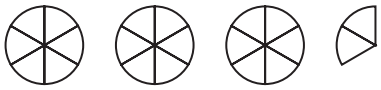
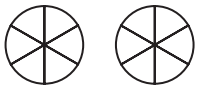
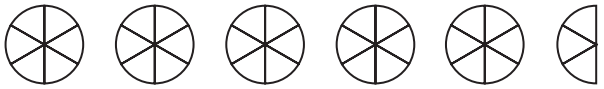
(e) Write down a prime number that is between 30 and 40

.....

(1)

(Total for Question 1 is 5 marks)

2 The pictogram shows information about the number of pizzas sold in a shop on each of three days.

Sunday	
Monday	
Tuesday	
Wednesday	

Key:  represents 12 pizzas

(a) How many pizzas were sold on Sunday?

.....

(1)

More pizzas were sold on Tuesday than on Monday.

(b) How many more?

.....

(1)

30 pizzas were sold on Wednesday.

(c) Complete the pictogram for Wednesday.

(1)

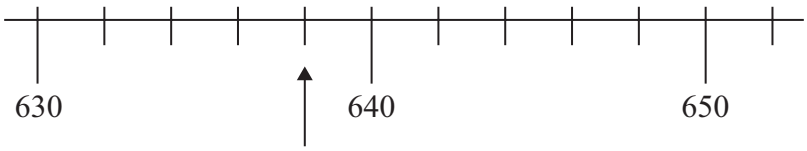
(Total for Question 2 is 3 marks)

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

3 The diagram shows part of a number line.

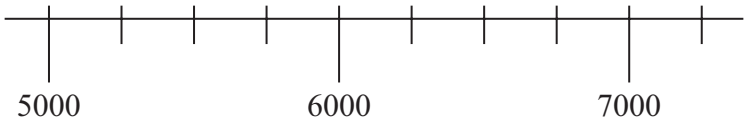


(a) Write down the number marked with the arrow.

.....

(1)

(b) On the number line below, mark with an arrow (↑) the number 6750



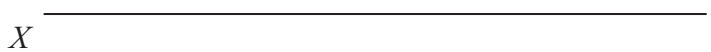
(1)

(c) Measure the length of the line *AB*
Give your answer in centimetres.

..... centimetres

(1)

(d) Draw an angle of 68° at the point *X*



(1)

(Total for Question 3 is 4 marks)

4 (a) Simplify $y + y + y + y + y$

.....

(1)

(b) Simplify $c \times c \times c \times c$

.....

(1)

(c) Solve $4x = 48$

$x =$ .....

(1)

(d) Solve $18 - w = 13$

$w =$ .....

(1)

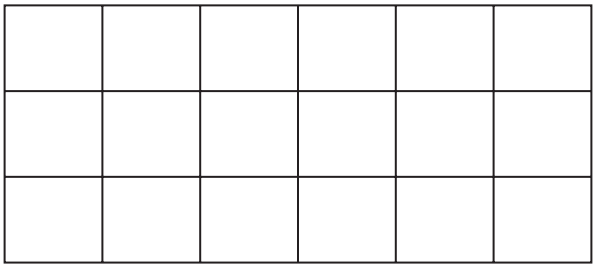
(Total for Question 4 is 4 marks)

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

5 (a) Shade $\frac{1}{6}$ of this shape.



(1)

(b) Write $\frac{45}{75}$ as a fraction in its simplest form.

.....

(1)

(c) Write $\frac{2}{5}$ as a decimal.

.....

(1)

There are 80 children in a playground.

$\frac{1}{5}$ of the children are wearing white T-shirts.

(d) Calculate the number of these children who are **not** wearing white T-shirts.

.....

(2)

(Total for Question 5 is 5 marks)

6 Paulo has some flour in each of three containers.

The table gives the weight of flour in each container.

Container	Weight
A	500 grams
B	1 kilogram
C	700 grams

The total weight of Paulo's flour is less than 3 kilograms.

How much less?
Give your answer in grams.

..... grams

(Total for Question 6 is 4 marks)

7 Betty got on a plane at 09 10
She got off the plane at 13 45 the same day.

For how long was Betty on the plane?
Give your answer in hours and minutes.

..... hours ..... minutes

(Total for Question 7 is 2 marks)

8 Kai sells drinks of coffee, tea and hot chocolate.

On Monday, Kai sold a total of 140 drinks.

58 of these drinks were coffee
36 of these drinks were tea
the remainder were hot chocolate

On Tuesday, Kai sold a total of 160 drinks.

70 of these drinks were tea
50 of these drinks were hot chocolate
the remainder were coffee

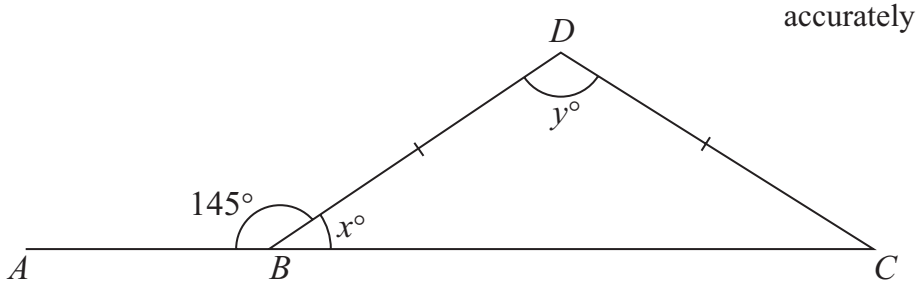
Use this information to complete the two-way table.

	Coffee	Tea	Hot chocolate	Total
Monday				
Tuesday				
Total				

(Total for Question 8 is 4 marks)

9

Diagram **NOT** accurately drawn



ABC is a straight line.
BCD is an isosceles triangle with *DB* = *DC*

Work out the value of

(i) *x*

$x =$ .....

(1)

(ii) *y*

$y =$ .....

(1)

(Total for Question 9 is 2 marks)

10 The diagram shows a cuboid.

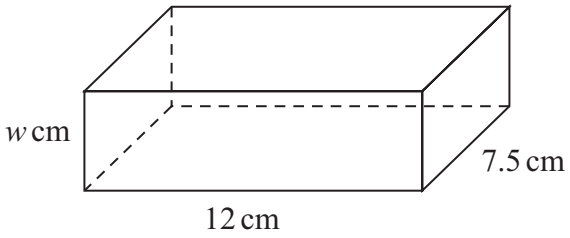


Diagram **NOT** accurately drawn

The volume of the cuboid is 324 cm^3

Work out the value of *w*

$w =$ .....

(Total for Question 10 is 2 marks)

11 (a) Simplify $7c \times 4d$

.....

(1)

(b) Simplify $8w + 4y - 3w - 6y$

.....

(2)

The nth term of a sequence is $5n$

(c) Find the 4th term of this sequence.

.....

(1)

Here is a list of numbers.

2 3 6 8 10

x is a number in the list and $x > 6$

(d) Write down all the possible values of x

.....

(1)

(Total for Question 11 is 5 marks)

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

12 Shen buys a car for a cost of £21 000

She pays a deposit of 28% of the cost.
She pays the rest of the cost in 24 equal monthly payments.

Find the amount of each monthly payment.

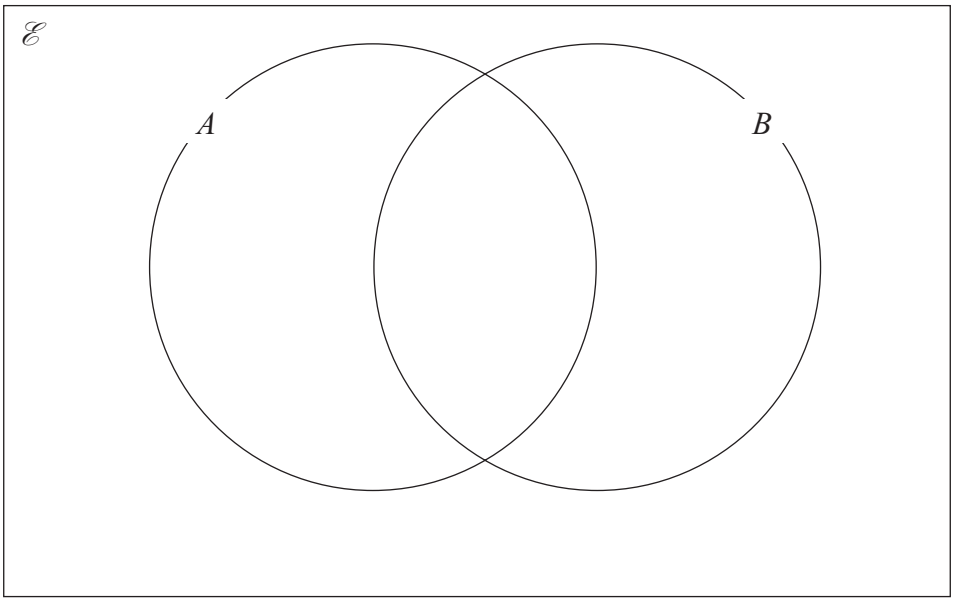
£.....

(Total for Question 12 is 3 marks)

13 $\mathscr{E}$ = {10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20}

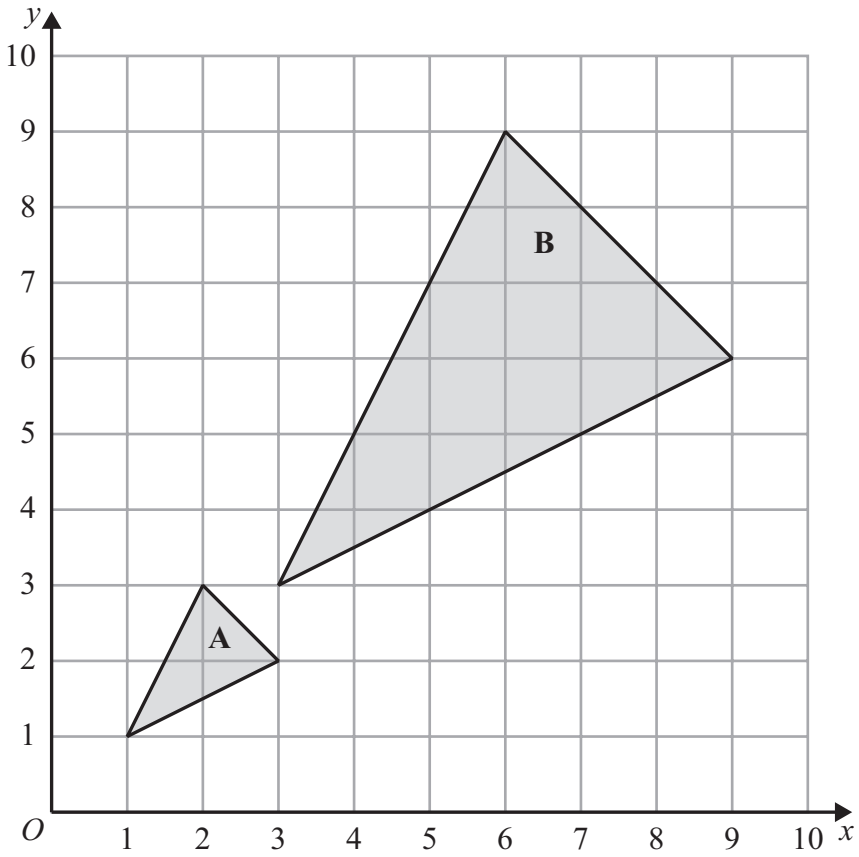
A = {odd numbers}
B = {multiples of 5}

Complete the Venn diagram for this information.



(Total for Question 13 is 3 marks)

14



Describe fully the single transformation that maps triangle **A** onto triangle **B**

.....

.....

.....

(Total for Question 14 is 3 marks)

15 Sid has n counters.
Erin has 7 more counters than Sid has.
Kabir has 3 times as many counters as Sid has.

(a) Write down an expression, in terms of n, for the total number of counters that Sid, Erin and Kabir have.

.....

(2)

Kabir has 72 counters.

(b) How many counters does Erin have?

.....

(2)

(Total for Question 15 is 4 marks)

16 The diagram shows a wall and a tile.

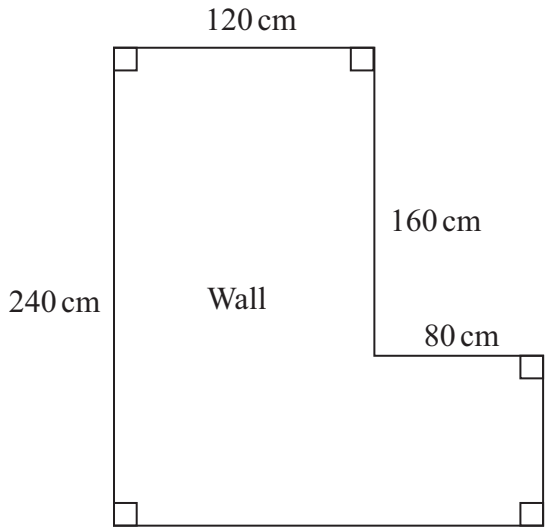
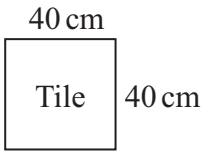


Diagram **NOT** accurately drawn



Jim is going to cover the wall with tiles.

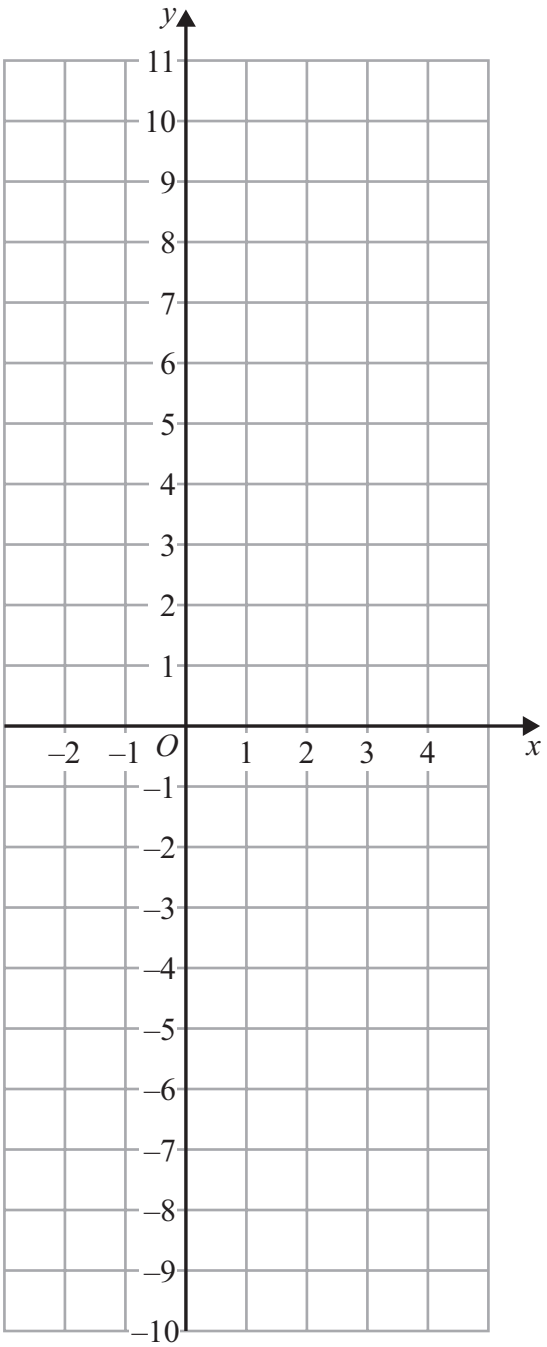
Jim has 3 boxes of tiles.
Each box of tiles contains 12 tiles.
Each tile is a square of side 40 cm

Work out the number of tiles that Jim should have left after he covers the wall with tiles.

.....

(Total for Question 16 is 4 marks)

17 On the grid, draw the graph of $y = 4 - 3x$ for values of x from –2 to 4



(Total for Question 17 is 3 marks)

18 The table gives information about the number of kilometres that Ted cycled on each of the 30 days in April.

Number of kilometres (K)	Frequency
$0 \leqslant K < 5$	8
$5 \leqslant K < 10$	7
$10 \leqslant K < 15$	3
$15 \leqslant K < 20$	10
$20 \leqslant K < 25$	2

Calculate an estimate for the mean number of kilometres that Ted cycled on each day in April.

..... kilometres

(Total for Question 18 is 4 marks)

19 By rounding each number to one significant figure, work out an estimate for the value of

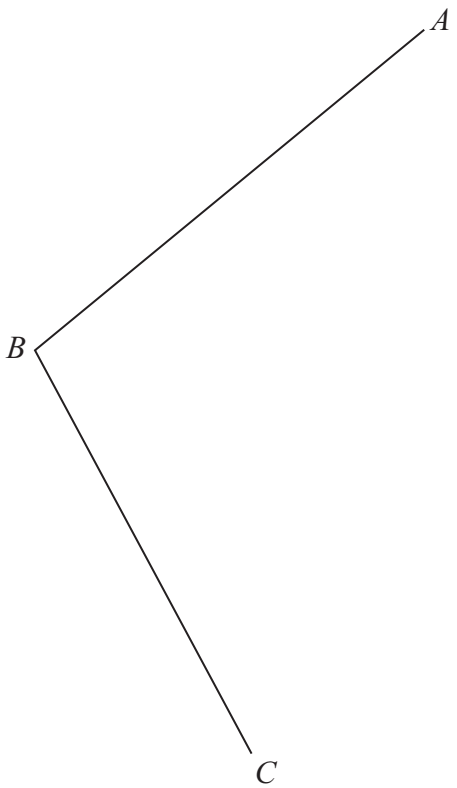
$$\frac{2.11^2 \times 58.9}{\sqrt{8.859}}$$

Show your working clearly.

.....

(Total for Question 19 is 2 marks)

20 Using ruler and compasses only, construct the bisector of angle ABC
Show all your construction lines.



(Total for Question 20 is 2 marks)

21 e, f and g represent integers such that

$$e \quad f \quad 7 \quad g \quad 12 \quad 17$$

is a list of integers written in order of size.

The integers have

a range of 15
a median of 8.5
a mean of 9

Work out the value of e, the value of f and the value of g

$e =$ .....

$f =$ .....

$g =$ .....

(Total for Question 21 is 3 marks)

22 Show that $3\frac{5}{7} + 1\frac{2}{3} = 5\frac{8}{21}$

(Total for Question 22 is 3 marks)

23 Eli and Peta share \$275 in the ratio 2 : 3

Eli gives $\frac{3}{11}$ of his share to charity.

Peta gives 0.32 of her share to charity.

Work out the total amount that Eli and Peta give to charity.

\$.....

(Total for Question 23 is 4 marks)

24 The weight of a bag of apples is 475 g correct to the nearest g

(a) Write down the lower bound of the weight.

..... g

(1)

The height of a box is 120 cm correct to the nearest 10 cm

(b) Write down the upper bound for the height.

..... cm

(1)

(Total for Question 24 is 2 marks)

25 $\dfrac{8^{-2} \times 8^{9}}{8^{10}} = 8^{n}$

Work out the value of n

$n =$ .....

(Total for Question 25 is 2 marks)

26 Hari scored 140 points playing a game on Tuesday.
This was 12% more points than he scored playing the game on Monday.

Work out the number of points that Hari scored playing the game on Monday.

.....

(Total for Question 26 is 3 marks)

27 (a) Simplify $(6m)^0$

.....

(1)

(b) Solve $5y + 20 < 7y + 1$

.....

(2)

(c) Factorise fully $15w^2x^5 + 25w^3x^2$

.....

(2)

(d) Simplify fully $\dfrac{36a^5c^7}{12a^2c^3}$

.....

(2)

(Total for Question 27 is 7 marks)

28 ABC is a right-angled triangle.

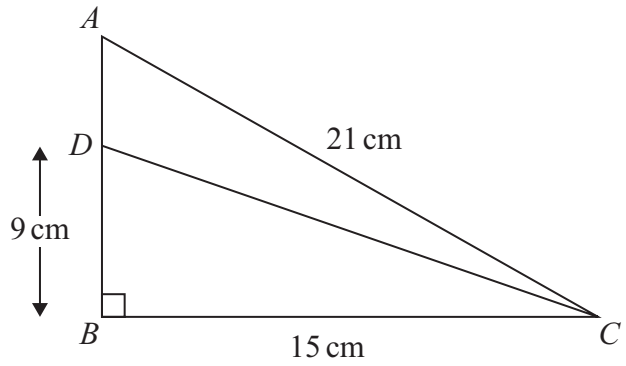


Diagram **NOT** accurately drawn

$AC = 21$ cm $BC = 15$ cm angle $ABC = 90°$

The point D lies on AB such that $DB = 9$ cm

Work out the size of angle ACD
Give your answer correct to one decimal place.

.....°

(Total for Question 28 is 4 marks)

29

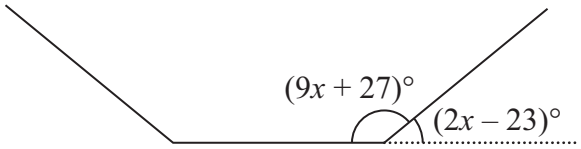


Diagram **NOT** accurately drawn

The diagram shows part of a regular n-sided polygon with

an interior angle of $(9x + 27)°$
an exterior angle of $(2x – 23)°$

Work out the value of n

$n =$ .....

(Total for Question 29 is 4 marks)

TOTAL FOR PAPER IS 100 MARKS