Centre No.				Paper Reference						Surname		Initial(s)	
Candidate No.				1	3	8	0	/	4	Η	Signature		
	Pape 1	er Reference 380	/4H					ר ע				Exami	ner's use only

Edexcel GUSE Mathematics (Linear) – 1380

Examiner's use only						
Feam Leader's use only						

Paper 4 (Calculator)

Example

Past Paper Questions

Arranged by Topic

Model Answers

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). There are 26 questions in this question paper. The total mark for this paper is 100.

There are 24 pages in this question paper. Any blank pages are indicated.

Calculators may be used.

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.













		Leave blank
3. Diagram NOT		
accurately drawn		
A		
The diagram shows a circle centre O.		
A, B and C are points on the circumference.		
DCO is a straight line.		
DA is a tangent to the circle.		
Angle $ADO = 36^{\circ}$		
(a) Work out the size of angle AOD.		
Angle DAO=90° (The angle between a tangent and the radius		
drawn to the point of contact is 90°)		
Angle AOD is 180°-90°-36° =54° (Angles in a triangle add up	54 °	
to 180°)	(2)	
(b) (i) Work out the size of angle ABC		
(0) (i) from our the size of angle $h \ge 0$.		
54 ÷ Z=27	0	
	.27	
(ii) Give a reason for your answer.		
Angle ABC is half of angle AOD (The angle subtended		
at the centre of a circle is twice the angle subtended	(3)	23
at the circumference) (Total 5 m	narks)	





Leave blank 3. A concert ticket costs £45 plus a booking charge of 15%. Work out the total cost of a concert ticket. $\frac{45}{1}\times\frac{15}{100}$ $\frac{27}{4} = 6\frac{3}{4} = 6.75$ 45 + 6.75 = £51.75 Q3 (Total 3 marks) 4. A shop sells CDs and DVDs. In one week the number of CDs sold and the number of DVDs sold were in the ratio 3:5 The total number of CDs and DVDs sold in the week was 728 Work out the number of CDs sold. 3:5 means there are 3 + 5 shares 728 ÷ 8 = 91 91x 3 = 273 Q4 (Total 2 marks)