

2018 O Level E Maths Paper 2

Suggested answers by Ms Jayme Zhang (Key educator @ Keynote Learning)
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Q1a)(i) $\frac{v^2 t}{5}$

(ii) $\frac{14y-3}{(3-2y)(y+3)}$

b) $\frac{4x-3}{x-3}$

c) $x = \frac{3}{2}n - 5$

Q2a) $6\frac{4}{11}\%$

b) \$972.06

c)(ii) \$1767

Q3a) $\begin{pmatrix} 490 & 280 & 210 \\ 350 & 210 & 210 \end{pmatrix}$

b) $\begin{pmatrix} 0.75 \\ 1.50 \\ 2.25 \end{pmatrix}$

c) $\begin{pmatrix} 1260 \\ 1050 \end{pmatrix}$

c) \$378

Q4a)(i) $5+6n$

b)(i) $\frac{19}{180}$

(ii) $k=9$

(iii) 23

Q5a) $\begin{pmatrix} 1 \\ 2 \end{pmatrix}$

b) $\vec{OA} = \begin{pmatrix} -7 \\ 0 \end{pmatrix}$, $\vec{OB} = \begin{pmatrix} 1 \\ 3 \end{pmatrix}$

c) 55.3° (1dp)

d) 5.39 units (3sf)

Q6a) $\frac{3500}{x}$

b) $\frac{3500}{x-10}$

d) $x = 46.13$ or -36.13

e) 42mm 30s

Q7b)(i) 10.6 cm^2 (3sf)

(ii) 107 cm^2 (3sf)

Q8b) 38.7° (1dp)

c) 866 cm^2 (3sf)

d) 144 cm^2

Q9(i) 19, 12, 4

(ii) 3.26

(iii) 0.524 (3sf)

Q10(i) $\frac{2}{5}$

(ii) a. $\frac{13}{50}$

b. $\frac{9}{50}$

Q10a) 10.5g

d) draw:

$y = x(20-2x)(30-2x)$

when $x = 5.75$,

mass = 9.82g (3sf)

Gce O Level Mathematics Paper 2 answers

Joann Bye Stedman



Gce O Level Mathematics Paper 2 answers:

GCE O Level Examination Past Papers with Answer Guides: Maths India Edition Cambridge International Examinations, 2004-03-03 These collections of the official past papers of the GCE O Level Examinations from the University of Cambridge International Examinations has been developed for students of GCE O level These books will act as tools for preparation and revision for students These books have an edited Answer Guide for each paper based on the marks scheme written by CIE Principal *Exam Papers for Gce "o" Level Additional Maths*, *Pass With Distinction Mathematics Book 4* by Paper Teh Keng Seng, Krishnamachari Amirtham, 2010-01-01 **PREFACE** This book is specially written for students preparing for the GCE O Level Examination in Mathematics Syllabus 4016 It consists of 10 revision exercises each comprising Paper 1 and Paper 2 based on the LATEST syllabus The format and weightage of the questions follow those of the specimen examination papers issued by the Examination Board closely Investigative and problem solving questions are included New Examination Format Paper 1 consists of about 21 to 26 compulsory short questions worth a total of 80 marks The duration of the paper is 2 hours Paper 2 consists of 10 to 11 questions of varying marks and lengths testing more on higher order thinking skills Candidates must answer ALL questions Calculators may be used in both papers The weightage for both papers however will be equal each accounting for 50% of the examination It is hoped that this book will help students to gain confidence and be fully equipped for their forthcoming examinations **O-level Mathematics**

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British Affairs ,1957 A Level Further Mathematics for OCR A Pure Core Student Book 1 (AS/Year 1) Ben Woolley, 2017-08-31 New 2017 Cambridge A Level Maths and Further Maths resources to help students with learning and revision Written for the OCR AS A Level Further Mathematics specification for first teaching from 2017 this print Student Book covers the Pure Core content for AS and the first year of A Level It balances accessible exposition with a wealth of worked examples exercises and opportunities to test and consolidate learning providing a clear and structured pathway for progressing through the course It is underpinned by a strong pedagogical approach with an emphasis on skills development and the synoptic nature of the course Includes answers to aid independent study

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