

C1 Extension Questions 6 Sequences And Series Additional Questions For Core Mathematics 1 Sequences And Series Core 1 Extension Questions

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C1 Extension Questions 6 Sequences

Questions separated by topic from Core 1 Maths A-level past papers

C1 Questions by Topic - Maths A-level - Physics & Maths Tutor

Solomon Press C1 SEQUENCES AND SERIES Answers - Worksheet B 1 a $d = 6$ b $d = -3$ c $d = 2.3$ $u_{40} = 4 + (39 \times 6) = 238$ $u_{40} = 30 + (39 \times -3) = -87$ $u_{40} = 8.9 + (39 \times 2.3) = 98.6$ 2 a $a = 7, d = 2$ b $a = 16, d = 4$ 3 c $a = 17, d = -8$ $u_n = 7 + 2(n - 1) = 5 + 2n$ $u_n = 16 + 4 \cdot 3(n - 1) = 76 - 4 \cdot 3n$ $u_n = 17 - 8(n - 1) = 25 - 8n$ 3 a $a = 8, d = 4, n = 30$ b $a = 60, d = -7, n = 30$ c $a = 1$

SEQUENCES AND SERIES Answers - Worksheet A

Solomon Press C1 SEQUENCES AND SERIES Worksheet C 1 The third term of an arithmetic series is -10 and the sum of the first eight terms of the series is 16 . a Find the first term and common difference of the series. b Find the smallest value of n for which the n th term of the series is greater than 300 . 2 The third and seventh terms of an arithmetic series are 5

C1 SEQUENCES AND SERIES Worksheet C

C1 Sequences and Series: File Size: 23 kb: File Type: pdf: Download File. ... Exam Style Questions 1 (Q9/10) (6) Exam Style Questions 2 (Q11) TRIGONOMETRY (EQUATIONS & IDENTITIES) C2 Trigonometry: ... C1 Extension Paper: File Size: 35 kb: File Type: pdf: Download File. Core 2 EP. C2 Extension Paper:

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Chapter 6 Sequences and Series 6.1 Arithmetic and geometric sequences and series The sequence defined by $u_1 = a$ and $u_n = u_{n-1} + d$ for $n \geq 2$ begins $a, a+d, a+2d, K$ and you should recognise this as the arithmetic sequence with first term a and common difference d . The n th term (i.e. the solution) is given by $u_n = a + (n - 1)d$.

Chapter 6 Sequences and Series 6 SEQUENCES AND SERIES

You can find C1 Solomon worksheets and answers below. The worksheets are for individual use only. Institutions wishing to use them need to purchase a licence from Churchill Maths. C1 Algebra - Answers; C1 Algebra - Questions; C1 Coordinate Geometry - Answers; C1 Coordinate Geometry - Questions; C1 Differentiation - Answers; C1 Differentiation ...

C1 Solomon Worksheets - PMT

Exam Questions - Arithmetic sequences and series. 1) View Solution Helpful Tutorials. Arithmetic progressions; Part (a): Edexcel C1 Core Maths June 2014 Q8a : ExamSolutions Maths Revision - youtube Video. Part (b): Edexcel C1 Core Maths June 2014 Q8b : ExamSolutions Maths Revision - youtube Video.

Exam Questions - Arithmetic sequences and series ...

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Reading practice to help you understand long, complex texts about a wide variety of topics, some of which may be unfamiliar. Texts include specialised articles, biographies and summaries.

Reading - Advanced C1 | British Council

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Mathematics Extension 1 - Department of Education

Solomon Press C1 SEQUENCES AND SERIES Worksheet B 1 For each of the following arithmetic series, write down the common difference and find the value of the 40th term. a $4 + 10 + 16 + 22 + \dots$ b $30 + 27 + 24 + 21 + \dots$ c $8.9 + 11.2 + 13.5 + 15.8 + \dots$ 2 For each of the following arithmetic series, find an expression for the n th term in the form $a + bn$. a $7 + 9 + 11 + 13 + \dots$

SEQUENCES AND S Worksheet A - PMT

Created by Steve Blades. Lead Teacher of Mathematics and Ofsted rated Outstanding. All videos and worksheets can be found at www.m4ths.com All questions are my own and do not infringe any ...

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Geometric Series | Teaching Resources

The Corbettmaths Practice Questions on the nth term for Linear Sequences

Sequences nth Term Practice Questions - Corbettmaths

(C1-6.6a) Name: Homework Questions 6 - Partial sums of Arithmetic Sequences 1. Find the sum of the following series a) 17, 25, 33, 41...(25 terms) 732 b) 15, 26, 37, 42....(15 terms) ... Find the 3rd term of the arithmetic sequence if the 6th term is 24 and the 15th term is 21 $a = 25$ 23

(C1-6.1a) Name: Homework Questions 1 - Terms of a Sequences

Find the explicit formula for the geometric sequence c , with the following information given. $c_1 = 6$ 3 C_4 Select the correct answer below: O $C_n = (6)^n$ $C_n = \frac{1}{6} (6)^{n-1}$ $C = 6 (-)^{n-1}$ $„$ $(E-)^9 = ' C, = 6 (4)^n$ $G = 6 ()^n$ 1

Answered: Find the explicit formula for the... | bartleby

Geometric Series Questions (c) Find the sum to infinity of the geometric series $5 + 6 + 5 + 18 + 5 + 54 + \dots$ [3] (d) State the condition for an infinite geometric series with common ratio r to be convergent. [1] Question 10 - Jan 2007 6. A trading company made a profit of \$50,000 in 2006 (Year 1).

Geometric Series - Past Edexcel Exam Questions

Sequences and series Series and partial sums Definitions Definition (Series) Let $a_0; a_1; \dots$ be any sequence. Then, the sum $\sum_{i=0}^n a_i$ is called a series. Definition (Partial sum) Let $n \in \mathbb{N}$. Then, the n -th partial sum of the series $\sum_{i=0}^{\infty} a_i$, denoted S_n , is the sum $\sum_{i=0}^n a_i$. The partial sums themselves also form a sequence!

Mathematical Induction - cs.umd.edu

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