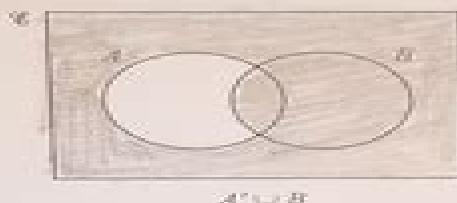


- 1 Shade the required region on each Venn diagram.



[2]

- 2 Factorise completely:

$$kp + 3k + mp + 3m$$

$$k(p+3) + m(p+3) = (k+m)(p+3)$$

Answer $(k+m)(p+3)$ [2]

- 3 The first five terms of a sequence are shown below.

$$13 \overbrace{-4}^9 \overbrace{-4}^5 \overbrace{-4}^1 \overbrace{-4}^{-3}$$

Find the n th term of this sequence.

$$T(n) = -4n + c$$

$$T(1) = -4 + c = 13 \\ c = 17$$

$$T(n) = -4n + 17$$

Answer $-4n + 17$ [2]

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Young Suh Kim

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Cambridge IGCSE® Mathematics Core and Extended Coursebook Karen Morrison,Nick Hamshaw,2018-03-15 This Cambridge IGCSE Mathematics Core and Extended series has been authored to meet the requirements of the Cambridge IGCSE Mathematics syllabus 0580 0980 for first examination from 2020 This second edition of Cambridge IGCSE Mathematics Core and Extended Coursebook offers complete coverage of the Cambridge IGCSE Mathematics 0580 0980 syllabus It contains detailed explanations and clear worked examples followed by practice exercises to allow students to consolidate the required mathematical skills The coursebook offers opportunities for checking prior knowledge before starting a new chapter and testing knowledge with end of chapter and exam practice exercises Core and Extended materials are presented within the same book and are clearly signposted to allow students to see the range of mathematics required for study at this level Answers are at the back of the book *Cambridge IGCSE Mathematics Core and Extended Coursebook with CD-ROM* Karen Morrison,Nick Hamshaw,2015-12-03 Revised edition of the IGCSE Mathematics Core and Extended Coursebook for the 0580 syllabus for examination from 2015 [Cambridge International AS and A Level Mathematics: Pure Mathematics 2 and 3 Revised Edition Coursebook](#) Hugh Neill,Douglas Quadling,Julian Gilbey,2016-07-14 Cambridge AS and A Level Mathematics is a revised series to ensure full syllabus coverage This coursebook has been revised and updated to ensure that it meets the requirements for the Pure Mathematics 2 and 3 P2 and P3 units of Cambridge AS and A Level Mathematics 9709 Additional materials have been added to sections on logarithmic and exponential functions the derivative of $\tan x$ and vectors All of the review questions have been updated to reflect changes in the style of questions asked in the course *IGCSE* Mer Merlyn ,2015-08-27 Buku IGCSE ini merupakan aplikasi dari pelajaran matematika yang berbasis di University of Cambridge Berisi kumpulan soal lengkap dengan kunci jawaban Memudahkan para siswa dalam menghadapi pelajaran matematika Semoga buku ini bisa menjadi jembatan bagi para siswa yang ingin menguasai mata pelajaran matematika dengan baik [Cambridge International AS and A Level Mathematics: Probability & Statistics 2 Coursebook](#) Jayne Kranat,2018-03-15 This series has been developed specifically for the Cambridge International AS A Level Mathematics 9709 syllabus to be examined from 2020 Cambridge International AS A Level Mathematics Probability Statistics 2 matches the corresponding unit of the syllabus with a clear and logical progression through It contains materials on topics such as hypothesis testing Poisson distribution linear combinations and continuous random variables and sampling This coursebook contains a variety of features including recap sections for students to check their prior knowledge detailed explanations and worked examples end of chapter and cross topic review exercises and Explore tasks to encourage deeper thinking around mathematical concepts Answers to coursebook questions are at the back of the book [Games and Learning Alliance](#) Pierpaolo Dondio,Mariana Rocha,Attracta Brennan,Avo Schönbohm,Francesca de Rosa,Antti Koskinen,Francesco Bellotti,2023-11-28 This LNCS volume constitutes the proceedings of 12th International Conference

GALA 2023 in Dublin Ireland held during November December 2023 The 36 full papers and 13 short papers were carefully reviewed and selected from 88 submissions The papers contained in this book have been organized into six categories reflecting the variety of theoretical approaches and application domains of research into serious games 1 The Serious Games and Game Design 2 User experience User Evaluation and User Analysis in Serious Games 3 Serious Games for Instruction 4 Serious Games for Health Wellbeing and Social Change 5 Evaluating and Assessing Serious Games Elements 6 Posters

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Karnataka's Rich Heritage - Temple Sculptures & Dancing Apsaras Lalit Chugh,2017-05-23 Nataraja the dancing Siva sculpture is

perhaps the most well known among all Hindu sculptures and rightly so It has evoked highly advanced discussions among scientists philosophers performing artists art critics art collectors historians archaeologists and mythologists The Nataraja sculpture also occupies a pride of a place at CERN the European Centre for Research in Particle Physics in Geneva Siva according to Hindu Mythology was the very first dancer in the world All dramaturgy and dance traditions emerge from Siva s cosmic dance Tandu Siva s disciple narrated the description of Siva s dance to Bharata Muni and he is believed to have compiled the Natyasastra the world s first treatise on dramaturgy dance and other performing arts Scholars believe that the Natyasastra was written over a long period of time between the 2nd century BCE and 2nd century CE with contributions from various sages with its foundation having been laid by Bharata Muni Convergence between Hindu mythology Natyasastra and Silpasastra was the natural outcome Karnataka and its temple architecture tradition played a pioneering role in giving an artistic form to this convergence in its temple sculptures Though this trend may have started earlier during 2nd and 3rd century CE it started to take the center stage from the times of the Badami Chalukyas Passing through various refinements between 5th and 10th centuries it reached its peak with the Hoysala art This book traces the history of temple sculpture evolution and development through the centuries by referring to the existing sculptural forms and the canonical literature that developed over time

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