

Ekurhuleni North	District Paper – Mathematics Paper 2 Grade 11 Marking Guideline	June 2023
SOLUTION NB: Accept valid alternate solutions. Consistent Accuracy applies to the whole memo.		
QUESTION 1		
1.1	$m_{HM} = \frac{6 - 4}{3 + 1}$ $= \frac{1}{2}$	✓ subs into formula ✓ answer
1.2	$R(x; y) = \left(\frac{3 + 4}{2}; \frac{6 + 1}{2} \right)$ $= \left(\frac{7}{2}; \frac{7}{2} \right)$	✓ Correct Substitution ✓ Answer
1.3	$m_{HM} = m_{AP}$ $\tan \theta = \frac{1}{2}$ $\theta = 26,57^\circ$	✓ $HM \parallel AT$ ✓ Correct substitution ✓ Answer
1.4	<p>R is the midpoint of diagonal AH (Diags of a parm) Let the coordinates of A be $(x; y)$.</p> $\frac{-1 + x}{2} = \frac{7}{2}$ $x = 8$ $\frac{4 + y}{2} = \frac{7}{2}$ $y = 3$ <p>$\therefore A(8; 3)$</p>	$\checkmark \frac{-1+x}{2} = \frac{7}{2}$ $\checkmark 8$ $\checkmark \frac{4+y}{2} = \frac{7}{2}$ $\checkmark 3$
1.5	$m_{AT} = \frac{1}{2} \text{ (parallel lines)}$ $y = \frac{1}{2}x + c$ <p>Sub $T(4; 1)$</p>	 ✓ Sub $T(4; 1)$ ✓ $c = -1$

Memorandum For Maths Paper1 5november 2014

Rory McDowall Clark



Memorandum For Maths Paper1 5november 2014:

A Homology Theory for Smale Spaces Ian F. Putnam, 2014-09-29 The author develops a homology theory for Smale spaces which include the basic sets for an Axiom A diffeomorphism. It is based on two ingredients. The first is an improved version of Bowen's result that every such system is the image of a shift of finite type under a finite-to-one factor map. The second is Krieger's dimension group invariant for shifts of finite type. He proves a Lefschetz formula which relates the number of periodic points of the system for a given period to trace data from the action of the dynamics on the homology groups. The existence of such a theory was proposed by Bowen in the 1970s.

The History of the Study of Landforms or the Development of Geomorphology, Volume 5 T.P. Burt, A.S. Goudie, H.A. Viles, 2022-10-20 Co-published with British Society for Geomorphology. This volume is the fifth in the definitive series *The History of the Study of Landforms or the Development of Geomorphology*. Volume 1 (1964) dealt with contributions to the field up to 1890. Volume 2 (1973) with the concepts and contributions of William Morris Davis. Volume 3 (1991) covered historical and regional themes during the classic period of geomorphology (1890-1950). Volume 4 (2008) concentrated on studies of geomorphological processes and Quaternary geomorphology between 1890 and 1965. By the end of this period, process-based studies had become dominant. Volume 5 builds on this platform, covering in detail the revolutionary changes in approach that characterized the study of geomorphology in the second half of the twentieth century. It is divided into three sections: the first deals with changes in approach and method; the second with changes in ideas and the broader scientific context within which geomorphology is studied; and the final section details advances in research on processes and landforms. The volume's objective is to describe and analyse many of the developments that provide a foundation for the rich and varied subject matter of twenty-first century geomorphology.

Title Announcement Bulletin, 1957 *Guide to Microforms in Print*, 1989

Reflections on Programming Systems Liesbeth De Mol, Giuseppe Primiero, 2019-01-10 This book presents a historical and philosophical analysis of programming systems intended as large computational systems like, for instance, operating systems programmed to control processes. The introduction to the volume emphasizes the contemporary need of providing a foundational analysis of such systems rooted in a broader historical and philosophical discussion. The different chapters are grouped around three major themes. The first concerns the early history of large systems developed against the background of issues related to the growing semantic gap between hardware and code. The second revisits the fundamental issue of complexity of large systems dealt with by the use of formal methods and the development of grand designs like Unix. Finally, a third part considers several issues related to programming systems in the real world, including chapters on aesthetical, ethical, and political issues. This book will interest researchers from a diversity of backgrounds. It will appeal to historians, philosophers, as well as logicians and computer scientists who want to engage with topics relevant to the history and philosophy of programming and more specifically the role of programming systems in the foundations of computing.

Yearbook of International

Organizations 2014-2015 (Volume 4) Union Of International Associations, Union of International Associations, 2014-09-17 The Yearbook of International Organizations provides the most extensive coverage of non profit international organizations currently available Detailed profiles of international non governmental and intergovernmental organizations IGO collected and documented by the Union of International Associations can be found here In addition to the history aims and activities of international organizations with their events publications and contact details the volumes of the Yearbook include networks between associations biographies of key people involved and extensive statistical data Providing both an international organizations and research bibliography Volume 4 cites over 46 000 publications and information resources supplied by international organizations and provides nearly 18 000 research citations under 40 subject headings This volume also includes a research bibliography on international organizations and transnational associations

The Performance of Africa's International Courts James Thuo Gathii, 2020-11-26 The performance of international courts has traditionally been judged against criteria of compliance and effectiveness Whilst these are clearly desirable objectives for litigants before Africa's international courts this book shows that we must look beyond these criteria to fully appreciate the impact of these courts This book shows how litigants use their participation in international litigation to achieve other objectives to amplify political disputes with their governments to build their movement to educate the public about their cause and to challenge the status quo Chapters in this collection show how these courts act as coordination points for opposition political parties to name and shame dominant parties for violation of their organizational rights Others demonstrate how Africa's international courts serve as transitional justice mechanisms in which truth telling about ongoing conflict and authoritarian governance receives significant attention This attention serves as a platform to galvanize resistance against continued authoritarian rule especially from outside the conflict countries Ultimately the book shows that these courts must be judged against new and broader criteria and understood as increasingly important venues for waging political social environmental and legal struggles

The Evolution of Yield Management in the Airline Industry Ben Vinod, 2021-05-28 This book chronicles airline revenue management from its early origins to the last frontier Since its inception revenue management has now become an integral part of the airline business process for competitive advantage The field has progressed from inventory control of the base fare to managing bundles of base fare and air ancillaries to the precise inventory control at the individual seat level The author provides an end to end view of pricing and revenue management in the airline industry covering airline pricing advances in revenue management availability and air shopping offer management and product distribution agency revenue management impact of revenue management across airline planning and operations and emerging technologies is travel The target audience of this book is practitioners who want to understand the basics and have an end to end view of revenue management

Exploring the Contexts for Early Learning Rory McDowall Clark, 2016-09-01 The concept of readiness for school is attractive to policy makers but many academics researchers and practitioners argue that an early start to formal

learning may be misguided This book introduces readers to an increasing body of evidence which demonstrates that young children need opportunities to learn and develop in environments that support their emotional and cognitive needs offering opportunities to develop autonomy competence and self regulation skills With advice on implementing research findings in practice this book provides clear guidance on how to foster and develop these attributes scaffold steps into new areas of learning and support children in facing new challenges Chapters cover Policy and discourses Taking account of development Approaches to Early Years Learning The Diversity of Children s Early Experiences Transitions and starting school Where to in the Future Exploring the Contexts for Early Learning will be essential reading for students practitioners policy makers and all those interested in the school readiness agenda Government Reports Announcements ,1972 **Government Reports Announcements & Index** ,1972 **U.S. Government Research & Development Reports** ,1968-11
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Adopting the Beat of Appearance: An Emotional Symphony within **Memorandum For Maths Paper1 5november 2014**

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