

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	R is the midpoint of diagonal AH (Diags of a parm) Let the coordinates of A be $(x; y)$. $\frac{-1 + x}{2} = \frac{7}{2}$ $x = 8$ $\frac{4 + y}{2} = \frac{7}{2}$ $y = 3$ $\therefore A(8; 3)$	$\checkmark \frac{-1+x}{2} = \frac{7}{2}$ $\checkmark 8$ $\checkmark \frac{4+y}{2} = \frac{7}{2}$ $\checkmark 3$
1.5	$m_{AT} = \frac{1}{2} \text{ (parallel lines)}$ $y = \frac{1}{2}x + c$ Sub $T(4; 1)$	 ✓ Sub $T(4; 1)$ ✓ $c = -1$

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A horizontal light blue bar with a rounded right end, followed by a red circular gradient shape.

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California Dreaming Lawrence J. McQuillan, 2015-05-01 A politically created crisis of epic proportions is brewing in California and elsewhere across the United States For decades public pension officials and politicians of both parties have promised their employees increasingly generous retirement benefits while low balling the contributions from government agencies and employees that are needed to cover these promises presenting our greatest financial challenge since the Great Depression Pushing the pension liability from today and onto our children and grandchildren leaves them with a depleted future and a potentially bankrupt California State and local governments will scramble to find funds forcing them to raise taxes slash public services and or declare bankruptcy Schools parks emergency services and public employee retirement benefits will be at risk Politicians will defer until circumstances force them to reckon with a disaster of their own making The problem For far too long state and local governments have promised their employees increasingly generous retirement benefits but without ensuring that sufficient funds will be on hand when the pension payments come due In California *Dreaming* Lawrence J McQuillan pulls back the curtains covering this unfunded liability crisis He describes the true extent of the problem explains the critical factors that are driving public pension debt sky high and exposes the perverse incentives of lawmakers and pension officials that reward them for not fixing the problem and letting it escalate Finally he offers the six crucial reforms needed to restore the financial health of California and other threatened jurisdictions If California *Dreaming*'s roadmap for reform is adopted the prospects for achieving a thriving balanced and equitable future are highly favorable in California and any state or municipality facing its own public pension problem If not the many opportunities that once made the Golden State seem like a Promised Land will quickly evaporate [Access to Scientific Research](#) David J.

Brown, 2015-11-13 The debate about access to scientific research raises questions about the current effectiveness of scholarly communication processes This book explores from an independent point of view the current state of the STM publishing market new publishing technologies and business models as well as the information habit of researchers the politics of research funders and the demand for scientific research as a public good The book also investigates the democratisation of science including how the information needs of knowledge workers outside academia can be embraced in future [More Human](#) Steve Hilton, Jason Bade, Scott Bade, 2015-05-21 Both campaigns are treating people like simpletons

In *More Human* read the truth about Brexit from someone who really knows In this powerful manifesto Steve Hilton argues that the frustrations people feel with government politics their economic circumstances and their daily lives are caused by deep structural problems with the systems that dominate our modern world systems that have become too big bureaucratic and distant from the human scale He shows how change is possible offering us a more human way of living [Around Langlands Correspondences](#) Farrell Brumley, Maria Paula Gomez Aparicio, Alberto Minguez, 2017 Presents through a mix of research and expository articles some of the fascinating new directions in number theory and representation theory arising

from recent developments in the Langlands program Special emphasis is placed on nonclassical versions of the conjectural Langlands correspondences where the underlying field is no longer the complex numbers An Age of Accountability John L. Rury, 2023-10-13 An Age of Accountability highlights the role of test based accountability as a policy framework in American education from 1970 to 2020 For more than half a century the quest to hold schools and educators accountable for academic achievement has relied almost exclusively on standardized assessment The theory of change embedded in almost all test based accountability programs held that assessment with stipulated consequences could lead to major improvements in schools This was accomplished politically by proclaiming lofty goals of attaining universal proficiency and closing achievement gaps which repeatedly failed to materialize But even after very clear disappointments no other policy framework has emerged to challenge its hegemony The American public today has little confidence in institutions to improve the quality of goods and services they provide especially in the public sector As a consequence many Americans continue to believe that accountability remains a vital necessity even if educators and policy scholars disagree **Teaching and Learning Secondary School Mathematics** Ann Kajander, Jennifer Holm, Egan J Chernoff, 2018-10-24 This volume brings together recent research and commentary in secondary school mathematics from a breadth of contemporary Canadian and International researchers and educators It is both representative of mathematics education generally as well as unique to the particular geography and culture of Canada The chapters address topics of broad applicability such as technology in learning mathematics recent interest in social justice contexts in the learning of mathematics as well as Indigenous education The voices of classroom practitioners the group ultimately responsible for implementing this new vision of mathematics teaching and learning are not forgotten Each section includes a chapter written by a classroom teacher making this volume unique in its approach We have much to learn from one another and this volume takes the stance that the development of a united vision supported by both research and professional dialog provides the first step **Feminist Economics and Public Policy** Jim Campbell, Morag Gillespie, 2016-04-28 Professor Ailsa McKay who was known not only for her work as a feminist economist but also her influence on Scottish social and economic policy died in 2014 at the height of her academic career and impact on public life Organised around the key themes of Ailsa McKay s work this collection brings together eminent contributors to argue for the importance of making women s roles and needs more visible in economic and social policies Feminist Economics and Public Policy presents a uniquely coherent analysis of key issues including gender mainstreaming universal childcare provision and universal basic income security in the context of today s challenging economic and political environments It draws on international perspectives to look at the economic role of women presenting readers with interrelated sections on gender budgeting and work and childcare before concluding with a discussion on Citizens Basic Income and how it could contribute towards a more efficient equitable social security system The theoretical empirical and practice based contributions assembled here present recommendations for more effective public policy working towards a

world in which women's diverse roles are recognized and fully accounted for This book is a unique collection which will be of great relevance to those studying gender and economics as well as to researchers or policy makers 21000 00 2100 00 00 000,2018-09-03 3 21 50 700 21 21 21 21000210000000 000,2022-10-27 21 21 21 21 21 21 3 12 19 20 Yuval Noah Harari 21 21 4 000 brainy books 1976 Itzik Yahav Sapienship 2018 2020 2018 TED TED 21 21 21 1 2 **The Semantic Web: ESWC 2018 Satellite Events** Aldo Gangemi,Anna Lisa Gentile,Andrea Giovanni Nuzzolese,Sebastian Rudolph,Maria Maleshkova,Heiko Paulheim,Jeff Z Pan,Mehwish Alam,2018-08-01 This book constitutes the thoroughly refereed post conference proceedings of the Satellite Events of the 15th Extended Semantic Web Conference ESWC 2018 held in Heraklion Crete Greece in June 2018 The volume contains 41 poster and demonstration papers 11 invited workshop papers and 9 full papers selected out of a total of 70 submissions They deal with all areas of semantic web research semantic technologies on the Web and Linked Data Ontology ABox Comparison is available open access under a Creative Commons Attribution 4 0 International License via link [springer.com](https://www.springer.com)

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