MATHEMATICS EXEMPLAR EXAMINATION
GRADE 12
PAPER 1

MEMORANDUM

QUESTION 1

1.1.1	$\dfrac{x^2-1}{x+1}=2$	✓ standard form $=0$
	$\therefore x^2-1=2(x+1)$	✓ factorisation
	$\therefore x^2-1=2x+2$	✓ both answers
	$\therefore x^2-2x-3=0$	✓ excluding $x=-1$
	$\therefore (x-3)(x+1)=0$	
	$\therefore x=3 \quad$ or $\quad x=-1$	
	But $x \neq -1$	(4)
	$\therefore x=3$ is the solution	
	OR	
	$\dfrac{x^2-1}{x+1}=2$	✓ factorisation
	$\therefore \dfrac{(x+1)(x-1)}{(x+1)}=2$	✓ simplification
		✓ correct answer
	$\therefore x-1=2 \quad$ provided $x \neq -1$	✓ excluding $x=-1$
	$\therefore x=3$	
1.1.2	$8-(x-2)(x-3)=0$	✓ simplification
	$\therefore 8-(x^2-5x+6)=0$	✓ standard form
	$\therefore 8-x^2+5x-6=0$	✓ substitution into formula
	$\therefore -x^2+5x+2=0$	✓ correct answers
	$\therefore x^2-5x-2=0$	
	$\therefore x=\dfrac{-(-5)\pm\sqrt{(-5)^2-4(1)(-2)}}{2(1)}$	(4)
	$\therefore x=\dfrac{5\pm\sqrt{33}}{2}$	
	$\therefore x=5,37 \quad$ or $\quad x=-0,37$	

-1 for inaccurate rounding off for both answers.

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Léo Pomar

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A scholarly contribution to educational praxis M.A. Mokoena,J.M. (Ona) Janse van Rensburg,M. Erasmus,E. Mentz,C.B. Zulu,A. Cronje,E.K. Materechera,W.T. Dudu,A.T. Kanyimba,S.P. Raath,C. Kruger,A. Loubser,A.E. Pienaar,A. Klopper,S. Ellis,N.T. Petersen,J. de Beer,J. Varughese,A. Seugnet Blignaut,C. Els,2016-12-31 This publication contains original research targeting scientific specialists in the field of education through research endeavours grounded on a philosophical basis as well as being embedded in the empirical The research methodology of each chapter emanates from applicable philosophical assumptions in the form of an applicable theoretical and conceptual framework The latter forms a firm basis for the application of sound empiricism The content of this book adds to the body of scholarly knowledge in education In his evaluation of the book Acting Executive Dean Faculty of Education and Training Professor Akpovire Oduaran made the following remarks To a large extent the ideas put together in this book have come from data generated not just from literature found in books and journals but actual interactions with educators and the learning environment So then what the reader is offered in this volume is the articulation of ideas that have been interrogated structured and presented in surprisingly simplistic and yet incisive and academically enriching content that can match the standards of scholarship that is available in the Western World Yet what makes this book so welcome relevant and timely is the fact that it is built around Afrocentric theories and practices such as one may find in imported literature   The Emerald Handbook of Evidence-Informed Practice in Education Chris Brown,Joel R. Malin,2022-01-31 Generating understanding into how to more routinely foster evidence informed teaching practice globally this ground breaking handbook is vital reading for educational researchers and especially those working close to practice in all settings   South Africa Yearbook ,2009   **Sesotho sa Leboa - Seisimane pukuntšu ya sekolo** ,2007 Designed to enable learners to write and speak effectively and competently in their additional language this up to date and easy to use dictionary focuses on overcoming learners most common difficulties The dictionary offers support in four key areas as shown below Plus 56 pages of useful extras a mini grammar activities with answers model letters illustrations SMS language and more   *Mathematics 1 Exam Paper FP.* ,2003   *Mathematics 1 Exam Paper FET.* ,2002   **Maths Exam Papers** Russell Kuan,2024   **Excellence in Topical Mathematics Exam Papers** ,2019*   Mathematics Western Australia. Correspondence School,1969   Real World Math 1 Bonnye Wier Cavazos,PCI Educational Publishing,2008-08-01   Mathematics Examination Papers ,2008   **Exams 1** Gaëtan Duchaine,Joanne Perron,1997   Math Grade 1, Student Textbook (Third Edition) ,2025-11   *Mathematics Course 1: Additional Examples on Transparencies* Prentice Hall,2008-11-01   **Math, Grade 1 Test Preparation** Hsp,2003-08-01   **Longman Mathematics Test Papers** Geok Hong Tan,2000   Math 1 Various,1991-01-01   New Signpost Maths Alan McSeveny,Alan Parker,Erika Johnson,2004   Zearn Math for Tennessee Grade 1 Student Edition Zearn,2022-10

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