

GRADE 10
NOVEMBER EXAMINATION
MATHEMATICS PAPER 1
NOVEMBER 2022

TIME: 120 minutes
marks

100

PLEASE READ THE FOLLOWING INSTRUCTIONS CAREFULLY

1. This question paper consists 7 pages.
Please check that your question paper is complete.
 2. Read the questions carefully.
 3. CALCULATORS ARE ALLOWED IN THIS ASSESSMENT.
 4. All the necessary working details must be clearly shown. Answers only will not necessarily be awarded full marks.
 5. It is in your own interest to write legibly and to present your work neatly.
-

QUESTION 1

(a) Solve the following:

(1) $(x - 2)(x + 1) = 0$ (2)

(2) $\frac{x - 1}{2} = 3 - \frac{x + 2}{5}$ (3)

(3) $(x + 2)(x - 3) = 6$ (4)

(4) $3,2^{x+2} - 0,75 = 0$ (3)

(b) Solve for x and y simultaneously:

$$\begin{aligned} 2x + 3y &= 10 \\ x - 4y &= -6 \end{aligned} \quad (5)$$

[17]

Mathematics Grade10 Paper1 2014

Gilson Porto



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Learning Environment and Design Will W.K. Ma, Kar-wai Tong, Wing Bo Anna Tso, 2020-11-07 This special edition of the Educational Communications and Technology Yearbook Series bears a title of Learning Environment and Design Current and Future Impact It provides a timely forum to share theoretical and practical insights in both the local and international contexts in response to the fact that new media and technologies have infiltrated and shaped the learning environments from mere physical spaces into multifaceted possibilities impacting the ways individuals teach and learn Designs of learning environments to harness technologies appropriately to engage learners better as well as the roles of learners and educators play in this changing learning environment are examples of important global issues in the discourse of the contemporary educational developments Having gathered a diverse collection of research papers written by scholars and practitioners in the fields of education communication and humanities across Asia Australasia Europe and the United States this book gives readers a cross cultural background on the developments of technological designs and educational practices investigating areas in redefining of quality education online learning and blended learning new media in education gamification AI and innovative learning technologies Aimed to catalyze knowledge exchanges and provide fresh views on interdisciplinary research the book sheds light on how emerging technologies can be adapted in the fields of education and communication so as to facilitate the current and future designs of learning environments to improve learners performances

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