



**ZIMBABWE SCHOOL EXAMINATIONS COUNCIL**  
General Certificate of Education Advanced Level

**PURE MATHEMATICS**  
PAPER 1

**6042/1**

**SPECIMEN PAPER**

**3 hours**

Additional materials:  
Answer paper  
Graph paper  
List of Formulae  
Scientific calculator

**TIME** 3 hours

**INSTRUCTIONS TO CANDIDATES**

Write your name, Centre number and candidate number in the spaces provided on the answer paper/answer booklet.

Answer **all** questions.

If a numerical answer cannot be given exactly, and the accuracy required is not specified in the question, then in the case of an angle it should be given to the nearest degree, and in other cases it should be given correct to 2 significant figures.

**INFORMATION FOR CANDIDATES**

The number of marks is given in brackets [ ] at the end of each question or part question.

The total number of marks for this paper is 120.

The use of a scientific calculator is expected, where appropriate.

You are reminded of the need for clear presentation in your answers.

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**This question paper consists of 6 printed pages and 2 blank pages.**

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# Zimsec A Level Mathematics Past Question Papers

**Femi S. Otulaja, Meshach B. Ogunniyi**

## **Zimsec A Level Mathematics Past Question Papers:**

## Reviewing **Zimsec A Level Mathematics Past Question Papers**: Unlocking the Spellbinding Force of Linguistics

In a fast-paced world fueled by information and interconnectivity, the spellbinding force of linguistics has acquired newfound prominence. Its capacity to evoke emotions, stimulate contemplation, and stimulate metamorphosis is truly astonishing. Within the pages of "**Zimsec A Level Mathematics Past Question Papers**," an enthralling opus penned by a highly acclaimed wordsmith, readers attempt an immersive expedition to unravel the intricate significance of language and its indelible imprint on our lives. Throughout this assessment, we shall delve into the book's central motifs, appraise its distinctive narrative style, and gauge its overarching influence on the minds of its readers.

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web dec 8 2019 charles law is a special case of the ideal gas law in which the pressure of a gas is constant charles law states that volume is proportional to the absolute temperature of a gas at constant pressure doubling the temperature of gas doubles its volume so long as the pressure and quantity of the gas are unchanged

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web solution v1 2 50 l v2 t1 273 30 303 k t2 273 70 343 k we will be applying charles law as pressure is constant here v1 t1 v2 t2 or v2 v1 t1 x t2 2 50 l 303 k x 343 k 2 83 l at 90 c a helium sample has a volume of 500 ml determine the temperature at which the volume of the liquid will become 240 ml