

**NOTE:**

- If a candidate answers a question/vraag **TWICE**, only mark the **FIRST** attempt.
- Consistent accuracy applies in all aspects of the marking memorandum.

**LET WEL:**

- Indien 'n kandidaat 'n vraag **TWEE** keer beantwoord, merk slegs die **EERSTE** poging.
- Volgehoue akkuraatheid is **DEURGAANS** in **ALLE** aspekte van die memorandum van toepassing.

**QUESTION/VRAAG 1**

1.1.1	$3x^2 - 4x = 0$ $x(3x - 4) = 0$ $x = \frac{4}{3}$ or $x = 0$	✓ factors ✓ both answers (2)
1.1.2	$x - 6 + \frac{2}{x} = 0$ $x^2 - 6x + 2 = 0$ $x = \frac{-(-6) \pm \sqrt{(-6)^2 - 4(1)(2)}}{2(1)}$ $= \frac{6 \pm \sqrt{28}}{2}$ $x = 0,35$ or $x = 5,65$  <b>OR</b> $x - 6 + \frac{2}{x} = 0$ $x^2 - 6x + 2 = 0$ $(x - 3)^2 = -2 + 9$ $(x - 3) = \pm\sqrt{7}$ $x = 3 \pm \sqrt{7}$ $x = 0,35$ or $x = 5,65$	✓ $x^2 - 6x + 2 = 0$  ✓ subs into correct formula ✓ $x = 0,35$ ✓ $x = 5,65$ (4)
1.1.3	$x^{\frac{2}{3}} = 4$ ; $x > 0$ $x = (2^2)^{\frac{3}{2}}$ $x = 8$  <b>OR</b>	✓ $x = (2^2)^{\frac{3}{2}}$  ✓ $x = 8$ (2)

# Mathematics P1 Exemplar 2014 Grade 11 Limpopo

**Ying-Ying Zheng**



**Mathematics P1 Exemplar 2014 Grade 11 Limpopo:**

The book delves into Mathematics P1 Exemplar 2014 Grade 11 Limpopo. Mathematics P1 Exemplar 2014 Grade 11 Limpopo is a crucial topic that must be grasped by everyone, ranging from students and scholars to the general public. The book will furnish comprehensive and in-depth insights into Mathematics P1 Exemplar 2014 Grade 11 Limpopo, encompassing both the fundamentals and more intricate discussions.

1. This book is structured into several chapters, namely:
    - Chapter 1: Introduction to Mathematics P1 Exemplar 2014 Grade 11 Limpopo
    - Chapter 2: Essential Elements of Mathematics P1 Exemplar 2014 Grade 11 Limpopo
    - Chapter 3: Mathematics P1 Exemplar 2014 Grade 11 Limpopo in Everyday Life
    - Chapter 4: Mathematics P1 Exemplar 2014 Grade 11 Limpopo in Specific Contexts
    - Chapter 5: Conclusion
  2. In chapter 1, this book will provide an overview of Mathematics P1 Exemplar 2014 Grade 11 Limpopo. This chapter will explore what Mathematics P1 Exemplar 2014 Grade 11 Limpopo is, why Mathematics P1 Exemplar 2014 Grade 11 Limpopo is vital, and how to effectively learn about Mathematics P1 Exemplar 2014 Grade 11 Limpopo.
  3. In chapter 2, the author will delve into the foundational concepts of Mathematics P1 Exemplar 2014 Grade 11 Limpopo. The second chapter will elucidate the essential principles that need to be understood to grasp Mathematics P1 Exemplar 2014 Grade 11 Limpopo in its entirety.
  4. In chapter 3, this book will examine the practical applications of Mathematics P1 Exemplar 2014 Grade 11 Limpopo in daily life. The third chapter will showcase real-world examples of how Mathematics P1 Exemplar 2014 Grade 11 Limpopo can be effectively utilized in everyday scenarios.
  5. In chapter 4, the author will scrutinize the relevance of Mathematics P1 Exemplar 2014 Grade 11 Limpopo in specific contexts. The fourth chapter will explore how Mathematics P1 Exemplar 2014 Grade 11 Limpopo is applied in specialized fields, such as education, business, and technology.
  6. In chapter 5, this book will draw a conclusion about Mathematics P1 Exemplar 2014 Grade 11 Limpopo. The final chapter will summarize the key points that have been discussed throughout the book.
- The book is crafted in an easy-to-understand language and is complemented by engaging illustrations. It is highly recommended for anyone seeking to gain a comprehensive understanding of Mathematics P1 Exemplar 2014 Grade 11 Limpopo.

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web engineering mechanics is the engineering science that deals with the effects of forces and torques on particles rigid bodies or deformable media mechanics is typically subdivided into statics dynamics and mechanics of deformable bodies

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web the master of science degree in engineering science and mechanics is a blend of graduate level coursework and cutting edge research

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web the department of mechanical engineering actively conducts research to generate new knowledge that will strengthen and support undergraduate and graduate education at penn state in the united states and the world see the links on the right for more information on each of our research areas

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web foundational electives choose one course from each of the four subject areas mechanics of fluids mechanics of solids dynamics and vibration and computation each category has a suggested course and each has a list of alternatives