MATHEMATICS		4
(PAPER 1)	10611/23	

QUESTION 3

3.1 Given:
$$S_n = 4n^2 + 1$$
. Determine T_6 .

3.2 For which values of x will the following series converge?

$$(4x-3) + (4x-3)^2 + (4x-3)^3 + \dots$$
 (3)

3.3 Calculate:
$$\sum_{k=3}^{5} (-1)^k \cdot \frac{2}{k}$$
 (2)

QUESTION 4

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Table of Contents Maths Ppreparatory Examination In Gauteng

- 1. Understanding the eBook Maths Ppreparatory Examination In Gauteng
 - The Rise of Digital Reading Maths Ppreparatory Examination In Gauteng
 - Advantages of eBooks Over Traditional Books
- 2. Identifying Maths Ppreparatory Examination In Gauteng
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
- 3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Maths Ppreparatory Examination In Gauteng
 - User-Friendly Interface
- 4. Exploring eBook Recommendations from Maths Ppreparatory Examination In Gauteng
 - Personalized Recommendations
 - Maths Ppreparatory Examination In Gauteng User Reviews and Ratings
 - Maths Ppreparatory Examination In Gauteng and Bestseller Lists
- 5. Accessing Maths Ppreparatory Examination In Gauteng Free and Paid eBooks
 - Maths Ppreparatory Examination In Gauteng Public Domain eBooks
 - Maths Ppreparatory Examination In Gauteng eBook Subscription Services
 - Maths Ppreparatory Examination In Gauteng Budget-Friendly Options

- 6. Navigating Maths Ppreparatory Examination In Gauteng eBook Formats
 - ∘ ePub, PDF, MOBI, and More
 - Maths Ppreparatory Examination In Gauteng Compatibility with Devices
 - Maths Ppreparatory Examination In Gauteng Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Maths Ppreparatory Examination In Gauteng
 - Highlighting and Note-Taking Maths Ppreparatory Examination In Gauteng
 - Interactive Elements Maths Ppreparatory Examination In Gauteng
- 8. Staying Engaged with Maths Ppreparatory Examination In Gauteng
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Maths Ppreparatory Examination In Gauteng
- 9. Balancing eBooks and Physical Books Maths Ppreparatory Examination In Gauteng
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Maths Ppreparatory Examination In Gauteng
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Maths Ppreparatory Examination In Gauteng
 - Setting Reading Goals Maths Ppreparatory Examination In Gauteng
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Maths Ppreparatory Examination In Gauteng
 - Fact-Checking eBook Content of Maths Ppreparatory Examination In Gauteng
 - Distinguishing Credible Sources
- 13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
- 14. Embracing eBook Trends
 - Integration of Multimedia Elements

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