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## Prelude to Mathematics (Paperback)

By W. W. Sawyer

Dover Publications Inc., United States, 2011. Paperback. Condition: New. Revised edition. Language: English . Brand New Book. No mathematician can be a complete mathematician unless he is also something of a poet. -- K. Weierstrass In this lively and stimulating account, noted mathematician and educator W. W. Sawyer (Professor Emeritus, University of Toronto) defines mathematics as the classification and study of all possible patterns. It is a broad definition, but one that seems appropriate to the great scope and depth of the topic. Indeed, mathematics seems to have few boundaries, either in applications to practical matters or in its mind-stretching excursions into realms of pure abstraction. Gearing his approach to the layman whose grasp of things mathematical may be a bit precarious, Professor Sawyer offers a lucid, accessible introduction to the mathematician's cast of mind. Five well-written preliminary chapters explore the beauty, power and mysticism of mathematics; the role of math as an adjunct in utilitarian matters; and the concepts of pattern, generalization and unification as both tools and goals of mathematical thought. After developing this conceptual groundwork, the author goes on to treat of more advanced topics: non-Euclidean geometry, matrices, projective geometry, determinants, transformations and group theory. The...



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*This pdf is definitely not easy to get started on studying but quite entertaining to read through. I am quite late in start reading this one, but better then never. Once you begin to read the book, it is extremely difficult to leave it before concluding.*

-- **Ms. Fatima Erdman**

*Totally one of the best publication I have got ever go through. It really is packed with knowledge and wisdom I discovered this pdf from my dad and i recommended this book to discover.*

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