

to use mathematics as a tool and do not care for the rigorous development of formulas. For such, this book is well suited in the subject matter it presents.

We find in this book the word "trapezium" used for a quadrilateral with two sides parallel and the other two not. This follows continental rather than English usage. The encyclopedias and dictionaries do not agree in their definitions of the terms "trapezium" and "trapezoid." A uniform usage of the terms applied to the plane figures seems desirable.

The author of the book should be criticized for his selection of a title. The book has to do with practical problem solving and is not a mathematical development of the subject. Mathematics means more than substitution in formulas.

T. E. MASON.

Elementarmathematik vom höheren Standpunkte aus. Teil II: *Geometrie.* By F. KLEIN. Second edition. Leipzig, Teubner, 1913. viii + 547 pp.

In this new edition, the text of the first edition* is reproduced with some minor changes, the literature references are brought up to date, and notes (pages 531-546) have been added on the following subjects: models illustrating affine transformations, the relation of Grassmann's geometrical conceptions to the theory of invariants, the foundations of geometry, and recent developments in the teaching of geometry.

T. H. GRONWALL.

Elementare Algebra. Akademische Vorlesungen für Studierende der ersten Semester. By EUGEN NETTO. Second edition. Leipzig, Teubner, 1913. x + 200 pp.

In this new edition, some misprints in the first edition† have been corrected, and there are also some slight changes in the wording of various propositions.

T. H. GRONWALL.

Einführung in die Vektoranalysis mit Anwendungen auf die mathematische Physik. By RICHARD GANS. Third edition. Leipzig, Teubner, 1913. x + 131 pp.

To the second edition‡ of this well-known text a chapter

* Reviewed by J. W. Young in BULLETIN, vol. 16 (1909-10), pp. 254-265.

† Reviewed by J. H. Tanner in BULLETIN, vol. 11 (1904-05), pp. 441-442.

‡ Reviewed by H. B. Phillips in BULLETIN, vol. 17 (1910-11), pp. 100-104.