

1. Record Nr.	UNINA9910763595703321
Autore	Rahmani-Andebili Mehdi
Titolo	Calculus I [[electronic resource] ] : Practice Problems, Methods, and Solutions // by Mehdi Rahmani-Andebili
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2023
ISBN	3-031-45028-0
Edizione	[2nd ed. 2023.]
Descrizione fisica	1 online resource (228 pages)
Disciplina	620.00151
Soggetti	Engineering mathematics Mathematical analysis Differential equations Mathematics Engineering Mathematics Integral Transforms and Operational Calculus Differential Equations
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Problems: Functions and Inverse Functions -- Solutions of Problems: Functions and Inverse Functions -- Trigonometric Equations and Identities -- Solutions of Problems: Trigonometric Equations and Identities -- Problems: Limit and Continuity -- Solutions to Problems: Limit and Continuity -- Problems: Derivatives and Their Applications -- Solutions of Problems: Derivatives and Applications of Derivatives -- Problems: Definite and Indefinite Integrals -- Solutions to Problems: Definite and Indefinite Integrals.
Sommario/riassunto	This study guide is designed for students taking a Calculus I course. This new edition includes expanded examples, questions, and practice problems that will help students to review and sharpen their knowledge of the subject and enhance their performance in the classroom. New material covered in the second edition includes types of functions, inverse functions, combinations of functions, domain and range of functions, axis of symmetry of functions, trigonometric equations and identities, limits and continuity, derivatives and their applications, and

definite and indefinite integrals. Offering detailed solutions, multiple methods for solving problems, and clear explanations of concepts, this hands-on guide will improve students' problem-solving skills and foster a solid understanding of calculus, which will benefit them in all of their calculus-based courses. Exercises cover a wide selection of basic and advanced questions and problems; Arranges problems by difficulty level, catering to both well-prepared and less-experienced students; Provides detailed and instructor-recommended solutions and methods, along with clear explanations.

---