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shows the rich relationships between mathematics and the sciences, especially in the modern era after 1600, for example, the role of Gaussian curvature and Riemannian geometry in relativistic physics. Table of Contents. Preface. Introduction. 1. Protomathematics in the Late Age of Stone and in Ancient Mesopotamia and Egypt. 2. The Rise of Theoretical Mathematics in Ancient Greece. Springer began publishing books in higher mathematics in 1920, when the series "Grundlehren der mathematischen Wissenschaften", initially conceived as a series of advanced textbooks, was founded by Richard Courant. A few years later a new series "Ergebnisse der Mathematik und ihrer Grenzgebiete", survey reports of recent mathematical research, was added. Of over 400 books published in these series, many have become recognized classics and remain standard references for their subject. Includes bibliographical references and index. Protomathematics in the late age of stone and in ancient Mesopotamia and Egypt -- The rise of theoretical mathematics in ancient Greece -- Mathematics in the west during Hellenistic and Roman times -- Arabic primacy with Chinese, Indian and Maya contributions -- The Medieval-Renaissance-reformation periods in Europe -- The scientific revolution at its zenith (1620-1720). -