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Greek city of Alexandria
who lived during the 4th
and 3rd century B.C. and
is often referred to as
the "father of
geometry." Within his
foundational treatise

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"Elements," Euclid presents the results of earlier mathematicians and includes many of his own theories in a systematic, concise book that utilized a brief

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of his own original authorship or borrowed from previous scholars is unknown, however despite this fact it was his collation of these basic mathematical

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principles for which most of the world would come to the study of geometry. Today, Euclid's "Elements" is acknowledged as one of the most influential

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group of related problems. Usually the problems are capable of generalization of variation in many directions. The book can be appreciated at many

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presents for his readers
an investigation of the
possibility or
impossibility of finding
solutions for the
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available to him:

duplication of the cube

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an intriguing work.

German mathematician

FELIX KLEIN (1849 1925),

a great teacher and

scientific thinker,

significantly advanced

the field of

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mathematical physics and
made a number of
profound discoveries in
the field of geometry.
His published works
include Elementary
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variety of geometry problems on wooden tablets called sangaku and hung them in Buddhist temples and Shinto shrines throughout Japan. Sacred Mathematics is the first book published in the West to fully examine this tantalizing--and

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area? There is a strong
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structures throughout the text. While Euclid is a constant inspiration and the Elements is repeatedly revisited with substantial coverage of Books I, II, III, IV, and VI, non-Euclidean geometries are

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could be found. The book begins with examples of the simplest curves and surfaces, including thread constructions of certain quadrics and other surfaces. The chapter on regular systems of points leads to the

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points of the chapter is the discussion of Schlafli's Double-Six, which leads to the description of the 27 lines on the general smooth cubic surface. As is true throughout the book, the magnificent drawings in this

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