

962-01-1079 **Mohammad Moazzam*** (mxmoazzam@ssu.edu), Dept of Math & Computer Science, 1101
Camden Ave., Salisbury, MD 21801. *Who authored the first algebra book in the world.*

Although the history of algebra goes back to over 2000 B.C., only Diophanthus, one of the Greek mathematicians, used a lot of algebra in his Arithmetic book; however, he did not separate algebra from arithmetic. It was Mohammad Alkharazmi, a Seventh Century Persian Mathematician, who introduced algebra as a new branch of mathematics and authored his algebra book “Algebra and Equivalency” to the world for the first time. His book was a valuable reference for European Mathematicians for 700 years later, and it was used as a basis for the new algebra. The word “algebra”, as it is used today, was taken from his book. Alkharazmi discovered the quadratic formula to solve the quadratic equation and then performed several methods to justify this formula. (Received October 02, 2000)