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Elementary algebra is the most basic form of algebra. It is taught to students who are presumed to have no knowledge of mathematics beyond the basic principles of arithmetic. In arithmetic, only numbers and their arithmetical operations (such as $+$, $\hat{=}$, $\hat{-}$, $\hat{\cdot}$) occur. In algebra, numbers are often represented by symbols called variables (such as a , n , x , y or z).

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Course Notes -- J.S. Milne

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REDUCE User's Manual Version 3.8 Anthony C. Hearn Santa Monica, CA, USA Email: reduce@rand.org February 2004

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Guide for authors - Journal of Pure and Applied Algebra

The first version of these notes was written for a first-year graduate algebra course. As in most such courses, the notes concentrated on abstract groups and, in particular, on finite

J.S. Milne

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