ALGEBRA.

SECTION I.

DEFINITIONS AND AXIOMS.

1. Algebra is Arithmetic generalized; or, in other words, it is a kind of Arithmetic in which the numbers or quantities under consideration are represented by letters, and the operations to be performed on these indicated by signs.

2. The symbols employed in Algebra are of five kinds vis. :--

1st. Symbols of Quantity. 2nd. Symbols of Operation. 3rd. Symbols of Relation.

4th. Symbols of Aggregation.

5th. Symbols of Deduction.

SYMBOLS OF QUANTITY.

3. The symbols of quantity are the Arabic numerals and the letters of the alphabet.

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