

## VECTORS HELPS ALGEBRA

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### ABSTRACT

The article indicates using vectors the solution of some algebraic problems on the topics of equation and inequality. In each sketch, geometric techniques for solving problems are given. As a rule, they do not have a sign of familiarity for students, but, as experience shows, they are easily perceived by them. Thanks to the integration of the “non-geometric” conditions of the problem and its geometric solution, mathematical knowledge appears to students as a living, dynamic system that can solve problems from other sciences and practice.

**Keywords:** A vector, numbers, module, equation, inequality, equality, system the equation and trigonometry.