

M.A.Mustafin A.N.Kassinov

A COLLECTION OF PROBLEMS

ON

ALGEBRA

Educational textbook for universities

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ALMATY-2018

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Reviewed by Corresponding member of National Academy of Sciences of RK Prof. B.Sh.Kulpeshov, Dr.Sc. (Math.)

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Main goal of this educational textbook- to give students and teachers, who conducts seminars, collection of problems on algebra according to typical educational program. The book covers all traditional sections of algebra, including systems of linear equations, algebra of matrices, complex numbers, polynomials and their roots, quadratic forms, linear spaces, euclidean spaces, calculation of roots of polynomials, symmetric polynomials, resultants and discriminants, normal forms of matrices, groups and etc. During our work under this manual there have been a numerous textbooks and books of problems on algebra including soviet and foreign.

In spite of small volume of this educational textbook authors hope that it will useful for students and teachers of mathematics under carrying out of corresponding seminars on algebra.

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