

**2025 Academic Challenge
State Mathematics Exam**

Topic Distribution - Mathematics

Algebra 3

Geometry 6

Probability & Statistics 3

Trigonometry 3

Conic Sections 1

Logarithms and Exponents 3

Combinatorics 1

Polar Coordinates

Precalculus / Calculus 8

Logic 2

Bibliography / Reference List

Mathematics

[Title -- Edition -- Author(s) -- Publisher -- Copyright Date -- ISBN]

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Calculus and Analytical Geometry, Third Edition, Edwards & Penny, Prentice Hall, 1990, ISBN # 0-13-111204-X

College Algebra, Third Edition, Coburn & Coffelt, McGraw Hill, 2013, ISBN # 978-0-07-351958-6

Finite Mathematics, Seventh Edition, Warner & Costenoble, Cengage, 2017, ISBN # 978-1-33-728042-6

Introductory Combinatorics, Fifth Edition, Brualdi, Pearson Prentice Hall, 2009. ISBN # 0-13-602040-2

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