

Academic Challenge 2020

Topic Distribution – Mathematics

Topic	Regional	Sectional	State
Algebra	9	6	8
Geometry	4	4	3
Probability and Statistics	1	3	3
Trigonometry	3	3	3
Conic Sections	1	1	1
Logarithms	2	1	1
Exponents	3	2	0
Matrices and Determinants	1	1	1
Vectors	0	1	1
Complex Numbers	1	1	1
Polar Coordinates	1	1	1
Series and Sequences	1	1	0
Parametric Equations	1	1	1
Pre-Calculus / Calculus	1	3	5
Logic	1	1	1
Total -----	30	30	30

Bibliography / Reference List Mathematics

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

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

College Algebra, Third Edition, Coburn, McGraw Hill, 2013, ISBN # 978-0-07-351970-8

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Precalculus: Concepts Through Functions, a Unit Circle Approach to Trigonometry, Third Edition,
Sullivan and Sullivan, Pearson, 2014. ISBN # 978-0321931047.

Symmetry, Shape, and Space, First Edition, L.C. Kinsey & T.E. Moore, Key College Publishing,
2002, ISBN # 1-930190-09-3