

2022-23 Academic Pentathlon Mathematics Resource Guide Outline

Section I. Algebra.....70%

- A. Basic Properties of Real Numbers
- B. Exponents
- C. Algebraic Expressions and Formulas
- D. Polynomials
- E. Linear Equations and Inequalities
- F. Graphing
- G. Quadratic Equations
- H. Functions

Section II. Introduction to Trigonometry.....30%

- A. Angles and Their Measures
- B. Right Triangles