

College Exam Math Preparation

The Acellus College Exam Math Preparation course has been specially developed to help students prepare to take the math portion of the ACT or SAT college entrance exam. Students watch as problems similar to those presented in these exams are solved in the high-quality video lessons. After each lesson students are presented with several similar problems to enable them to practice the concepts that they have just reviewed.

Acellus College Exam Math Preparation is based on NCTM and Common-Core standards.

Course topics include:

- Sets
- Number Bases
- Fractions, Decimals, and Percentages
- Permutations and Combinations
- Linear Equations
- Polynomials
- Quadratics
- Application Problems
- Exponents
- Radicals
- Distance and Mid-Point Formulas
- Conic Sections
- Systems of Equations
- Exponential and Logarithmic Functions
- Sequences and Series
- Complex Numbers
- Polygons
- Pythagorean Theorem
- Special Right Triangles (30-60-90 and 45-45-90)
- Area and Perimeter
- Trigonometric Functions
- Graphs of Trigonometric Functions