Redesigned SAT Mathematics Topics List

Solving linear equations and linear inequalities

Interpreting linear functions

Linear equation word problems

Linear inequality word problems

Graphing linear equations

Linear function word problems

Systems of linear inequalities word problems

Solving systems of linear equations

Systems of linear equations word problems

Solving quadratic equations

Interpreting nonlinear expressions

Quadratic and exponential word problems

Manipulating quadratic and exponential expressions

Radicals and rational exponents

Radical and rational equations

Operations with rational expressions

Operations with polynomials

Polynomial factors and graphs

Nonlinear equation graphs

Linear and quadratic systems

Structure in expressions

Isolating quantities

Function notation

Problem solving and data analysis (These skills focus on real-world problems that involve concepts like proportions, units, and statistical analysis)
Ratios, rates, and proportions
Percents
Units
Table data
Scatterplots
Key features of graphs
Linear and exponential growth
Data inferences
Center, spread, and shape of distributions
Data collection and conclusions
Additional topics in math (These skills cover a variety of concepts, including geometry, trigonometry, and complex numbers)
Volume word problems
Right triangle word problems
Congruence and similarity
Right triangle trigonometry
Angles, arc lengths, and trig functions
Circle theorems
Circle equations
Complex numbers