**What math is on the PSAT?**

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| **1. Algebra**  Questions in this domain measure the ability to analyze, fluently solve, and create linear equations and inequalities as well as analyze and fluently solve equations and systems of equations using multiple techniques. Questions include:   * Linear equations in 1 variable * Linear equations in 2 variables * Linear functions * Systems of 2 linear equations in 2 variables * Linear inequalities in 1 or 2 variables |
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| **2. Advanced Math**  Questions in this domain measure skills and knowledge central for progression to more advanced math courses, including demonstrating an understanding of absolute value, quadratic, exponential, polynomial, rational, radical, and other nonlinear equations. Questions include:   * Equivalent expressions * Nonlinear equations in 1 variable and systems of equations in 2 variables * Nonlinear functions |

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| **3. Problem-Solving and Data Analysis**  Questions in this domain measure the ability to apply quantitative reasoning about ratios, rates, and proportional relationships; understand and apply unit rate; and analyze and interpret 1- and 2-variable data. Questions include:   * Ratios, rates, proportional relationships, and units * Percentages, 1-variable data * Distributions and measures of center and spread * 2-variable data: models and scatterplots * Probability and conditional probability * Inference from sample statistics and margin of error * Evaluating statistical claims: observational studies and experiments |
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| **4. Geometry and Trigonometry**  Questions in this domain measure the ability to solve problems that focus on area and volume; angles, triangles, and trigonometry; and circles. Questions include:   * Area and volume * Lines, angles, and triangles * Right triangles and trigonometry * Circles |