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PSAT Math Concepts Checklist

A practical audit of the four Math content domains and calculator decisions.

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Math domains

Domain	Skills to check	Evidence of mastery
Algebra	Linear equations, functions, systems and inequalities	Builds and interprets models without sign or variable errors.
Advanced Math	Quadratics, exponents, equivalent expressions and formulas	Builds, equates and checks solutions in context.
Problem-Solving and Data Analysis	Ratios, rates, percentages, probability and statistics	Uses the correct denominator, unit and comparison baseline.
Geometry and Trigonometry	Area, volume, circles, similarity, coordinate geometry and right triangles	Solves right triangles relationship and keeps units consistent.

Practice checklist

- Solve once without a calculator, then decide whether Desmos adds value.
- Write units beside rates, dimensions and percentages.
- Check whether the question asks for x, y, a count, a rate or a percent.
- Redo every wrong answer using a different method.
- Use mixed timed sets only after domain accuracy improves.

Official sources

College Board practice: <https://satsuite.collegeboard.org/practice>

Digital PSAT structure: <https://satsuite.collegeboard.org/psat-nmsqt/whats-on-the-test/structure>

Understanding scores: <https://satsuite.collegeboard.org/scores/understanding-scores>

International registration: <https://satsuite.collegeboard.org/psat-10/taking-the-test/international-registrations>

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