

SAT Indiana Academic Standards Priorities for Mathematics

A robust course of learning encompasses the **depth and breadth of the Indiana Academic Standards (IAS)**, which are assessed on the **SAT School Day**. The SAT School Day test blueprint can be used to represent IAS aligned with the assessment. This resource may be used to support curriculum planning and pacing.

Highlights problem-solving, modeling, using appropriate tools, and locating and making use of structure.



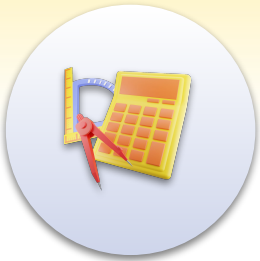
The SAT aligns with the 2023 IAS for Mathematics. Key standards are listed below. IAS from additional courses may also be measured.



Indiana's Process Standards for Mathematics are woven throughout the SAT.



Algebra I (35% | 13-15 Questions)



Algebra I is the foundation of high school mathematics. This domain tests ability to analyze, fluently solve, and construct linear equations and inequalities and solve systems of equations using numerous methods. IAS to prioritize are:

- AI.DS.3
- AI.NF.2
- AI.NF.4
- AI.L.1
- AI.L.2
- AI.L.3
- AI.L.4
- AI.QE.4
- AI.SEI.3

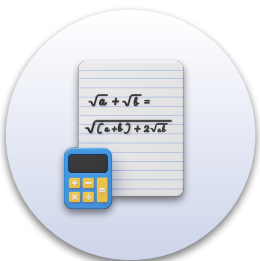
Geometry (15% | 5-7 Questions)



Geometric shapes and reasoning to apply postulates and axioms are demonstrated in this course. Students solve area, volume, angles, triangles, and trigonometry, and circle problems within this domain. IAS to prioritize are:

- G.GF.5
- G.T.2
- G.T.6
- G.T.7
- G.QP.3
- G.QP.4
- G.CI.2
- G.CI.3

Algebra II (50% | 18-22 Questions)



Absolute value, quadratic, exponential, polynomial, rational, and radical equations are the climax of Indiana's mathematics standards. Additionally, students will understand data with one or two variables and employ proportional reasoning. IAS to prioritize are:

- AII.MDS.3
- AII.MQ.1
- AII.ASE.2
- AII.ASE.3
- AII.MAA.2
- AII.MFD.2
- AII.FF.1
- AII.FF.2
- AII.FF.3
- AII.FF.4

Additional Instructional Resources

- [College Board Resources and Assessment Information](#)
- [Official SAT Practice at Khan Academy](#)
- [Schoolhouse.World SAT Resources](#)

