

STRUCTURAL CHARACTERISTICS OF TEXAS MATHEMATICS ASSESSMENTS

Test	Framework	Materials Examined	Time	Number of Items	Tools	Purpose	Content as Specified in Test Specifications
End-of-course exam (Algebra I)	state achievement, end-of-course	full sample form	2 hours	39 multiple choice; 1 grid-in	calculator	monitor student achievement of state-based standards	elementary algebra
Texas Assessment of Academic Skills	state achievement	full sample form	no time limit	60 multiple choice	none	monitor student achievement toward Texas standards	fundamental math, algebra, geometric properties, and problem solving
Texas Academic Skills Program	state achievement	full sample form	5 hours total testing time	48 multiple choice	none	assess whether students entering Texas public institutions of higher education possess entry level math skills	fundamental math, algebra, geometry, and problem solving
ACT	college admissions	full sample form	60 minutes	60 multiple choice	calculator	selection of students for higher education	pre-algebra (23%), elementary algebra (17%), intermediate algebra (15%), coordinate geometry (15%), plane geometry (23%), and trigonometry (7%)

AT I	college admissions	full sample form	75 minutes	35 multiple choice; 15 quantitative comparison; 10 grid-in	calculator	selection of students for higher education	arithmetic (13%), algebra (35%), geometry (26%), and other (26%)
AT II-level IC	college admissions	full sample form	60 minutes	50 multiple choice	calculator	selection of students for higher education	elementary and intermediate algebra (30%), geometry 38% (specifically, plane Euclidean (20%), coordinate (12%), and three-dimensional (6%)), trigonometry (8%), functions (12%), statistics and probability (6%), and miscellaneous (6%)
AT II-level IC	college admissions	full sample form	60 minutes	50 multiple choice	calculator	selection of students for higher education	algebra (18%), geometry 20% (specifically, coordinate (12%) and three-dimensional (8%)), trigonometry (20%), functions (24%), statistics and probability (6%), and miscellaneous (12%)
Descriptive Tests of Mathematical Skills in Elementary Algebra	college placement	full sample form	30 minutes	35 multiple choice	none	assess student readiness for geometry	real numbers, algebraic expressions, equations and inequalities, algebraic operations, data interpretation