Test Description
COMPASS mathematics is a computer-adaptive test designed to assess student skill levels in a variety of mathematics content areas. Students may take the math assessment twice per enrollment period. **Test results are valid for one calendar year from the date of the test.** Students must be seated in the math course before scores expire or retesting is required. Scratch paper, pencils, and a 4-function calculator will be provided during this un-timed test. Students may use their own calculators as long as they are not on the ACT COMPASS list of banned calculators.

At the University of Oklahoma, students may be assessed in three content areas: Algebra, College Algebra, and Trigonometry. Since the COMPASS is an adaptive test, students are presented a series of initial items and then, based on their responses, appropriate subtest items are administered.

The Algebra subtest consists of items from three curricular areas: elementary algebra, coordinate geometry, and intermediate algebra. Each area is subdivided into specific content requirements.

- Substituting values into algebraic expressions
- Setting up equations for given situations
- Basic operations with polynomials
- Solving polynomial equations by factoring
- Formula manipulations and field axioms
- Linear equations in one variable
- Exponents
- Linear inequalities in one variable
- Systems of linear equations in two variables
- Rational expressions
- Quadratic formula
- Absolute equations and inequalities
- Distance formula in the plane
- Graphing conics
- Graphing relations in a plane
- Graphing systems of equations and rational functions
- Midpoint formula

Items in the **College Algebra** pool assess algebra knowledge and skills in a variety of content areas such as operations with matrices, functions and factorials.

- Systems of linear equations with three or more variables
- Arithmetic and geometric sequences
- Logic and proof techniques
- Roots of polynomials
- Complex numbers
- Functions
- Exponents
- Factorials
- Matrices

**Trigonometry** items examine understanding and problem-solving application of trigonometric concepts.

- Trigonometric functions and identities
- Trigonometric equations and inequalities
- Special angles (30 and 45 degrees)
- Right angle trigonometry
- Graphs and trigonometric functions
- Polar coordinates

There are three types of items within each subtest: **basic skill, application, and analysis.** Basic skill items can be solved by performing basic math operations. An application item involves applying basic operations to novel settings or in complex ways. An analysis item requires the conceptual understanding of the principles and relationships relevant to particular mathematical operations.

Please see other side…
Calculators: Basic calculators are provided for the test, however, students may wish to use their own. Any calculator allowed on ACT exams can be used on the COMPASS Math test. Currently, up to and including a TI-86-level calculator can be used. Calculator guidelines can be found at the following website: http://www.act.org/compass/student/calculator.html

Additional Information and Resources:
Sample questions can be found on the following website: http://www.act.org/compass/sample/index.html. Additionally, the web page below includes links to Skills Development Websites, including sites that may be used to review formulas and functions before taking the math placement test: http://www.ou.edu/univcoll/home/academic_resources/Skill_Development_Websites.html

The University of Oklahoma is an Equal Opportunity institution. Accommodations on the basis of disability can be made by calling The Assessment Center at 325-4336.

Remote Testing: Testing from a remote location is now available but procedures must be strictly adhered to. For more information, see our web site: http://www.ou.edu/content/univcoll/home/academic_resources/PlacementTests.html or contact us at ucac@ou.edu.

Hours of Operation

Fall and Spring Hours: Walk-in testing is from 8:15 a.m. to 5:00 p.m. Monday through Friday. Students MUST be seated to begin testing by 3:30 p.m.

Summer Hours – May 14th to August 6th: Walk-in testing is from 8:15 a.m. to 5:00 p.m. Monday through Friday. Students MUST be seated to begin testing by 3:30 p.m.

August Hours: Walk-in testing is from 8:15 a.m. to 5:00 p.m. Monday through Friday. Students MUST be seated to begin testing by 3:30 p.m.

Contact Us

Location and Phone Number: The Assessment Center is located at 1005 Asp Avenue in the Lissa & Cy Wagner Hall building, Room 270. If you have any additional questions, please contact us at (405) 325-4336.

Take a practice tests based on the COMPASS test and then use the individualized study plan to help improve your math placement in all levels including Algebra and Calculus. To access this program contact the Assessment Center in Wagner Hall, room 270. 405-325-4336. ucac@ou.edu