2. Elementary Algebra Test

This test measures your ability to perform basic algebraic operations and to solve problems that involve elementary algebraic concepts. Topics include:

✓ Addition, subtraction, and multiplication of polynomials
✓ Evaluating algebraic expressions
✓ Simplifying & factoring algebraic expressions
✓ Solving linear systems & equations
✓ Graphing equations
✓ Solving quadratic equations

3. College-Level Mathematics Test

This test measures your ability to solve problems that involve college-level mathematics concepts. Topics include:

✓ Perform algebraic operations and solve equations with complex numbers
✓ Understand the relationship between exponents and logarithms and the rules that govern the manipulation of logarithms and exponents
✓ Understand trigonometric functions and their inverses
✓ Solve trigonometric equations
✓ Manipulate trigonometric identities
✓ Solve right triangle problems
✓ Graphic properties of functions such as absolute value, quadratic, and logarithmic

Need Help Preparing?

There are many sample problems available free to access:

http://www.uwm.edu/Org/MMP/_activities/transition.html
http://www.testprepreview.com/accuplacer_practice.htm

Preparing for the MATC Math Placement Test

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What is the ACCUPLACER

The ACCUPLACER™ is a computerized placement test developed by The College Board. Milwaukee Area Technical College uses the ACCUPLACER™ to determine an appropriate placement into our college mathematics courses.

Who Must Take The Tests

All new MATC students who plan to enroll in an associate degree or technical diploma program are required to go through the admissions process. For admittance into an associate degree or technical diploma program, you need to meet program-specific assessment score requirements in mathematics. If your scores are below what's needed for program entry, you will be advised of MATC classes that will help you prepare for program success.

Computer Delivered Testing

You will take the mathematics tests using a computer. You will use either the keyboard or the mouse to enter your answers. A Test Administrator will always be present should you have any questions or problems. The Test Administrator has the ability to resolve any difficulties that may occur.

Multiple Choice Tests

Because you take the ACCUPLACER™ tests on a computer, you do not have to answer as many questions as on traditional paper-and-pencil tests. The number of questions on the eight tests ranges from 12-25. The questions appear one at a time on the computer screen. Since most questions are multiple choice, all you will need to do is use the Enter key or mouse to select an answer. When you have completed the question and confirmed your answer, a new screen will appear with your next question.

Adaptive Testing

Each test is adaptive. This means that the computer automatically determines which questions are presented to you based on your responses to prior questions. This technique selects just the right questions to ask without being too easy or too difficult. With a relatively small number of questions, tests "zero in" on a person's proficiency level. As a result, questions that are too easy or too difficult are minimized.

Each test is untimed so that you can give each question as much thought as you wish. However, once you have selected and confirmed your answer, you cannot return to that question.

The Mathematics Tests

There are three mathematics portions of the placement test. Students typically take two of the three categories, depending on their mathematical background and preparation.

1. Arithmetic Test

This test measures your ability to perform basic arithmetic operations and to solve problems that involve fundamental arithmetic concepts. Topics included in this portion of the test:

- Addition, subtraction, multiplication, and division of whole numbers, integers, decimals, and fractions
- Calculating the mean and median of a data set
- Estimate products and squares of decimals and square roots
- Solve simple word problems involving fractions, ratio, proportion, percent increase and decrease