Intermediate Algebra Preparation:
The Math 111 Readiness Guide

If your SAT-Math score is 550 or above, you are eligible for MATH 111 or 105, 106, 107 or 243, but your major department may require or recommend you take MATH 111 to earn your degree. If this is the case, take the MATH 111 Readiness Quiz today. Majors are: Accounting, Architecture, Business Administration, all science majors, Computer Information Sciences, Economics, Educational Studies, Environmental Sciences, Environmental Studies, Mathematics, Mathematics and Computer Science, and Psychology.

Knowledge of the following topics is a prerequisite for Math 111:

**Basic Simplification**
Able to apply order of operations to numerical and algebraic expressions.

**Algebraic Manipulation**
Add, subtract, and multiply algebraic expressions; combine algebraic terms that are alike; apply the distributive property to algebraic expressions.

**Rational Expressions**
Simplify fractions by finding factors in common; add/subtract fractions by first rewriting with a least common denominator; multiply/divide rational expressions; simplify complex fractions.

**Solving Equations**
Solve linear equations; solve absolute value equations; solve quadratic equations by employing factoring or the quadratic formula.

**Solving Inequalities**
Solve linear inequalities; solve absolute value inequalities; express answers in interval notation.

Interpreting the Readiness Exam Scores:

**Score of 7+:** Your score indicates you are likely prepared for College Algebra, Math 111!

Advise the student: *Register for MATH 111; wise to continue reviewing.*

**Score of 6:** Your score indicates that you may not be ready for Math 111. Discuss your situation with your advisor.

Advise the student: *Review algebra concepts over the summer or register for MATH 95, or MATH 105, 106, 107, or 243.*

**Score of 0-5:** Your score indicates you are not ready for Math 111 because you likely require a review of algebra. Discuss your situation with your advisor.

Advise the student: *Consider review of algebra before starting 111, or register for MATH 95, or 105, 106, 107, or 243.*