

College-Level Mathematics (CLM) Study Guide

The College-Level Mathematics test (CLM) assesses proficiencies in intermediate algebra through precalculus. **The CLM enables us to place students into intermediate algebra, college algebra, trigonometry or introductory calculus courses.** The skills on the CLM are listed below along with a few sample questions. We suggest you **review using an SAT or ACT prep guide** that can be found in a public library or purchased at a local bookstore. You need to be prepared to:

- a) **Factor and expand polynomials, manipulate fractional exponent, and simplify algebraic expressions**
- b) **Solve linear and quadratic equations and inequalities, other algebraic equations, and systems of equations.**
- c) **Interpret graphs of algebraic functions**
- d) **Apply algebraic topics to complex numbers, series and sequences, and factorials**
- e) **Interpret graphs of trigonometric functions, solve trigonometric equations, and use trigonometric identifies and the unit circle to find trigonometric values.**

College-Level Mathematics Examples:

1) $|2x-5|$ □
a.

Answers to Sample Questions:
1-d, 2-b, 3-a, 4-c, 5-d, 6-d