

## LOS RIOS COMMUNITY COLLEGE DISTRICT

### INTERMEDIATE ALGEBRA EXAM ESTABLISHING MATH COMPETENCY FOR ASSOCIATE DEGREE

#### Information and Study Guide

The Intermediate Algebra Competency Exam is available to students who need to fulfill the Los Rios Community College District math requirement for an Associate Degree. It is a multiple choice exam and contains 20 questions with a time limit of one hour. The test covers topics from intermediate algebra. A score of 60% or better is required to pass this exam. No calculators, cell phones, or any electronic devices are allowed. In addition, no notes are allowed. Test takers must present valid photo identification on the day of the exam.

Please be advised that this exam will only satisfy the mathematics competency requirement for an Associate Degree from one of the four colleges in the Los Rios Community College District. It is not a placement test. Nor is it equivalent to taking a class. The score does not transfer to other institutions.

It would be helpful to prepare for the Competency Exam by reviewing intermediate algebra online or by using textbooks available in most libraries and to complete some practice exercises before you take the exam. Some of the topics covered in the Competency Exam are listed below:

- Linear and quadratic equations
- Factoring polynomials
- Rational expressions, equations, and functions
- Exponents and radicals
- Translations and reflections of graphs
- Function notation, inverses, and function operations
- Exponential and logarithmic functions and equations
- Graphs of circles and simple polynomial functions (including quadratic)
- Quadratic, rational, and absolute value inequalities
- Linear and nonlinear systems of equations
- Application problems using some of the above topics