



Math for College Readiness

Instructor's Name: Ms. Reid
Course Location: Room 113A
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Availability: Email is the best and fastest way to reach me
Course Materials: Review Booklet for Mathematics, Valencia Community College, Orlando FL
 Math for College Readiness: Intermediate Algebra, Pearson
Electronic Resources: <http://beep.browardschools.com> <http://purplemath.com> <http://interactmath.com>

COURSE DESCRIPTION: Math for College Readiness is a secondary-postsecondary readiness mathematics course, which is equivalent to Intermediate Algebra MAT 1033, approved for delivery as a high school mathematics course for 12th grade students. This course is a continuation of algebra containing topics such as: factoring polynomials, operations with rational expressions, absolute value, exponents, radicals and roots, complex numbers, linear and quadratic equations and linear inequalities graphs, systems of equations and functions all with applications throughout the course. Problem solving involving real life applications is an integral part of this course. **Due to the nature of this course calculators are not permitted.**

DEPARTMENT GOAL: The math department is dedicated to guiding our students to become analytical thinkers and math proficient. It is our mission for our students to have the tools to succeed at the next level, whether in high school, college or in the workplace.

COURSE CONTENT OUTLINE *order may change at teacher's discretion*

Semester 1	Semester 2
<ul style="list-style-type: none"> • PERT review of general mathematics • Basic word problems. Multiplying, dividing, adding & subtracting like and unlike fractions. • Review of Pre-Algebra. • Operations with Integers. Adding and subtracting polynomial terms. Multiplying polynomials. Evaluating and simplifying an expression. • Solving equations. More word problems. Grouping terms. Order of operation. Exponents. • PERT review of beginning algebra. • Square roots, factoring, reducing rational expressions. • Graphing linear equations, slope, x and y intercepts. • Quadratic Equations, scientific notation. • Equations and inequalities. 	<ul style="list-style-type: none"> • Linear equations and inequalities. Linear word problems. Graphing on a coordinate system involving inequalities. • Quadratic Functions. Solving by taking square root, using the quadratic formula. • Polynomials and polynomial functions. Collecting of terms, adding, multiplying, dividing, distribution, factoring. • Powers, roots and radicals. Integer exponents and fractional exponents. Simplifying, adding, subtracting, multiplying, dividing. Square roots, cube roots. Solving radical and exponential equations. • Rational equations and functions. Rational expressions, combining with common and unlike denominators. Solving rational equations.

Class work and Homework: Classwork will be given daily...should classwork not be completed in the allotted time it will become homework and will be due during the next class unless advised otherwise. You will not be penalized for

your mistakes in your work but you will be penalized for problems not attempted. **All work must be shown!** Answers alone are not and will not be accepted.

Weighting of Assignments: Quizzes and tests, will be used to determine the majority of the semester grade. Classwork, worksheets, and small daily quizzes may be given (as per the teacher's discretion), to gain extra points. The only make-ups allowed will be for tests. If a student misses a quiz (and it is an excused absence), the chapter test grade will be used to replace missing quiz grade for that chapter. The final course grade will be based on various traditional and alternative assessments, including the following:

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| 1. Chapter tests/Quizzes | 60% |
| 2. Classwork/Homework/Notes/ Warm-Ups | 40% |

Grading Points Distribution:

Tests	100 points
Projects	100 points
Quizzes	50 points
Classwork	5 points
Notebook	5 points

Academic Integrity: Cheating is defined as sharing of classwork, answers, or any assignment for which a grade will be earned that is not defined as a group project. This includes plagiarism. Students will receive a zero for cheating and a detention.

Attendance: Students are expected to be on time to class. Excessive absences and tardies will be handled according the guidelines set forth by Broward County Public Schools, the Code of Student Conduct Handbook, and Piper's attendance policy.

Cell phones: Prior to the start of class, all electronics should be turned off and put away to avoid unnecessary classroom disruptions. Charging of any electronics is **not** permitted during class time.

Teacher Passes: If a teacher wants you to miss MY class or any portion of it for ANY reason, do not assume that this will be fine with me. Check with me FIRST!

Bathroom Passes: You must sign out and in each time you use the restroom and you are allotted THREE passes per quarter.

Classroom Tips:

- Arrive on time and prepared to work.
- Respect others – use appropriate language.
- Sleeping will not be permitted during class.
- Food, drink, chewing gum, spraying cologne (perfume), and grooming are not allowed in the classroom.
- All students must take notes during class. Refusal is a form of defiance.
- Listen to the teacher or substitute.
- Take care of school property (calculators, computers)

REQUIRED MATERIALS: Pencils/erasers, highlighters, loose-leaf paper, composition notebook, scientific calculator (used for ACT or SAT prep), and graph paper.