

COURSE SYLLABUS

ALGEBRA II

18 week course

- I. **INSTRUCTOR:** Jack Keen
- II. **OBJECTIVE:** Algebra II is designed to prepare students for Algebra III, Advanced Algebra and Trigonometry, Analysis, and Calculus. It is the third course in a series of college preparatory math courses at JHS.
- III. **PRE-REQUISITE:** This course is strictly a college preparatory course and is designed only for the upper average to above average math students. Therefore, students must be placed in this class only at the recommendation of his/her previous math teacher (usually a B average or better in both Algebra I and Geometry) or by special waiver through the guidance counselor.
- IV. **CONTENT:** Algebra II will review and expand upon basic algebraic and geometrical concepts learned in Algebra I and Geometry as well as cover more advanced new topics. Some topics to be included are: finite and infinite number sets; operations with real numbers; application of variables; graphing linear equations and inequalities on a coordinate plane; solving equations, inequalities, quadratics, systems; operations with exponents, polynomials, and radicals; binomial theorem; distance and midpoint formulas; graphing quadratic functions; conic sections; matrix operations; logarithms.
- V. **GRADING PROCEDURES:** A student's final semester grade will be based strictly on his/her test grade average plus a final exam which counts 15% of the final grade. However, the final average can also be significantly affected by the "homework notebook" grades for that semester.
- Normally the "homework notebook" grade can raise or lower the final average by only one "letter grade" either up or down and only if the average (without the notebook) is already very close between two letter grades. However, an overall "unsatisfactory" semester notebook grade will automatically result in a failing grade for the course. In other words, a minimum grade of satisfactory on the "homework notebook" is necessary in order to receive a passing grade for the course. Detailed information concerning the student preparation of the notebook and the teacher's grading procedures of the notebook will be given to each student
- It is imperative that students keep up with assignments daily,** since the notebooks may be taken up for grading at any unannounced times during the semester.
- VI. **DISCIPLINE:** Discipline problems are not tolerated in my class. Appropriate school behavior is expected at all times. We have for the last 48 years had only two rules in my classroom:
1. Be inside the classroom door when the tardy bell rings.
 2. Once you are in the classroom, conduct yourself as a student should.
- However, if problems arise, "in-class corrections" will be made, followed by the possibility of after school detention, temporary removal of a student from the class, or other appropriate action. Further problems or serious infractions could result in office referral.