MR. STEVE ANDERSON
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SAEP Office: (818) 677-3333
Period 1: 8 A.M.-10:05 A.M.
Period 2: 10:25 A.M.-12:30 P.M.

ALGEBRA II AB--REVIEW AND PREVIEW

Dear Students and Parents:

Welcome to the 2005 Summer Academic Enrichment Program! The next five weeks should prove to be an exciting, educational experience. This enrichment course, aligned with the California State Content Standards, will provide a strong mathematics foundation prior to enrollment in Algebra II AB.

Sincerely,

Steve Anderson

Course Goals and/or Major Student Outcomes
1)   Refresh/review selected Algebra I AB skills and concepts.
2)   Preview a variety of topics critical to success in Algebra II AB.
3)   Demonstrate mastery of the Algebra II topics presented through solving problems correctly.
4)   Establish a feeling of confidence prior to starting Algebra II AB in the Fall.

Course Objectives and Content Standards
Students will:

1)   simplify rational number expressions and evaluate variable expressions.
2)   identify sets of numbers and provide counterexamples to show a statement is false.
3)   simplify expressions with monomials and polynomials.
4)   solve multi-step linear equations and inequalities, including the graphing of real number solutions for inequalities.
5)   solve absolute equations and inequalities, including the graphing of real number solutions for inequalities.
6)   solve systems of equations by a variety of methods.
7)   perform operations with matrices and simplify determinants.
8)   factor polynomials.
9)   take roots, simplify radical expressions, and solve radical equations.
10)   perform operations with complex numbers.
11)   solve quadratic equations by a variety of methods.
12)   simplify rational expressions and solve rational equations.

13) apply the properties of exponents and simplify expressions with real (rational and irrational) exponents.
14) solve problems involving logarithms.
15) compute probabilities.

Course Textbook

Foster, Alan G., James N. Rath, and Leslie J. Winters. <u>Algebra Two with Trigonometry</u>, Merrill Publishing Company, Columbus, Ohio (1986).

Please note that you will be charged a fine for a damaged or lost textbook.

Course Rules

The following are expected to be followed everyday:

1) I will be in my assigned seat ready to work when class begins.
2) I will treat everyone with respect and courtesy.
3) I will not bring food, drink, candy, or gum to class.
4) I will bring a <u>signed</u> note from my parent or guardian for each absence.

Course Supplies

The following items are to be brought to class each day:

1) A three-ring, one-inch (minimum) binder (**no <u>spiral</u> notebooks!**)
2) An adequate supply of notebook paper (for warmups, notes, homework, classwork, quizzes, and tests)
3) Pencils, and blue or black pens
4) Covered textbook
5) Scientific calculator (<u>no</u> graphing calculators)
6) Ruler (or other straight edge)

Course Homework

Homework is done in **PENCIL** and is usually assigned everyday. It is due the **NEXT CLASS MEETING** (unless otherwise instructed). If you are absent, check with me for the assignment(s) you missed. Make-up homework is due the day after returning to class. During the warmup, place your homework on the corner of your desk. I will come by and award the following points: **4**--complete, **2**--partially complete, **0**--no attempt or answers only. **ALL PROBLEMS MUST BE ATTEMPTED AND REQUIRED WORK MUST BE SHOWN TO RECEIVE FULL CREDIT! ANSWERS ALONE ARE UNACCEPTABLE** (unless okayed by me). All assignments are corrected in class in **INK** (blue or black only). Be prepared to ask questions if you had trouble with an assignment.

Course Grading

Assessment methods include quizzes, tests (a Final Exam will be given), and homework assignments. There is a possibility of extra credit. Your total points will determine your grade in the course.

5 Quizzes (50 points each)	250
3 Tests (150 points each)	450
22 HW Assignments (4 pts. ea.)	88
1 Final Exam (320 points)	<u>320</u>
	1108 Total points possible

The following scale will be used:

90% and above	A
80-89%	B
70-79%	C
60-69%	D
below 60%	Fail

Cheating

Cheating is a reprehensible act subject to a zero tolerance policy. For those in doubt about what is considered cheating, here are a few examples--glancing at another's quiz or test, talking (in **ANY** language), using notes, opening a textbook and/or notebook. **ANY STUDENT <u>SUSPECTED</u> OF CHEATING <u>IN ANY WAY</u> WILL RECEIVE AN AUTOMATIC "ZERO" ON THAT QUIZ OR TEST. A SECOND TIME WILL RESULT IN BEING AUTOMATICALLY DROPPED FROM THE COURSE.**

THIS DOCUMENT IS TO BE THE FIRST ITEM KEPT IN THE THREE-RING BINDER!

-----------------------------------*CUT OFF AND RETURN PROMPTLY*-----------------------

ALGEBRA II AB--REVIEW AND PREVIEW (2005)

We have read this syllabus, understand its contents, and agree to abide by the stated policies.

PERIOD: _____

STUDENT NAME (PRINT): _____

STUDENT SIGNATURE: _____

DATE: _____

PARENT/GUARDIAN NAME (PRINT): _____

PARENT SIGNATURE: _____

DATE: _____