



Algebra 2/ Trig Honors

Kehillah Jewish High School

Dr. Zachi Baharav

Room 213

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Our Four Commitments

1. Everyone counts.
2. Everyone has equal access to great learning.
3. Every person's unique talents are valued equally.
4. We take responsibility for ourselves, our learning, and our community.

Course Description

Welcome to Algebra 2/Trigonometry Honors. I am looking forward to an exciting year as we continue the journey moving from arithmetic (manipulation of numbers) into the realm of abstract representation of unknowns. This will allow us to solve interesting practical problems, as well as explore general characteristics of different patterns.

Algebra is the basis for all advanced math, and can serve you well for any analytic (and non-analytic) endeavors you may encounter.

To this aim, we will pay special attention to "Mathematical thinking": How do we approach and solve a problem in an analytic manner? We will discuss how we identify what we know, what we want to know, looking at special cases, finding patterns, solving, generalizing, verifying and reflecting. And, of course, the all-important process of getting un-stuck.

It is important that you'll keep an open mind, be willing to experiment and try things. Above all, come with positive attitude! We are all a community of learners.

List of subjects covered

Review of arithmetic, equations, and inequalities; Functions, graphs; System of equations; Polynomials and polynomials equations; Rational expressions; Powers, roots, and complex numbers; Quadratic equations; Polynomial functions; Exponential and logarithmic functions; Sequences and series; Trigonometric functions (Right triangle).

Availability and contacting me

I am open on blocks 3,4,5 and 8, and plan to be available during these times in room 213. Feel free to drop-in, or if you want to secure a specific date/time, Schoology message or email would work well. I am here to help.

Contacting me: Other than in person, the best way to reach me is through email (or schoology) at zbaharav@kehillah.org . I read emails daily on school-days, and will respond within 24-hours.

Required Materials

Textbook

“Algebra 2 with Trigonometry”, by Smith, Charles, Dossey and Bittinger. Prentice Hall.

Calculator

Graphing calculator. TI-84+ recommended.

Bring to class each day

1. **Math binder:** This is an important item! We will have many handouts, exercises, and notes. You are required to bring the math binder with you to every class, so you can refer to past work. If you wish, there will be accommodation to keep binders in class.
2. Writing instruments of your preference (pencil, pen, colors)
3. Calculator (computer would be useful at times, as we will often use Desmos)
4. Enthusiasm and willingness to engage in class

Grade Weighting

Formal assessments (tests and quizzes) – 65%

Homework (including challenges) – 30%

Class participation – 5%

Timeliness Policy

You are encouraged to come and talk with me with any special circumstances. Life happens.

- a. Assignments will be graded for quality and completeness. Late work will earn a maximum of 80%. Late assignments can be turned in up to 5 school days after the due date. After that no credit may be given.
- b. Tests and quizzes must also be completed within the five school day window after an excused absence. After the five-day window passes, students are no longer allowed to make up the test or quiz. If students arrange extensions with their teachers, the five-day countdown begins after the agreed-upon due date.

We acknowledge the needs of students with disabilities and will provide accommodations in line with a student's Student Success Plan (SSP) at Kehillah. If you have any questions about your plan, please contact the Center for Learning Success and your teacher.

Class participation

During class, you are expected to take an active part in the process of exploring and practicing. You ALWAYS have the option of saying 'pass' when asked, and skip your turn, and it will not count against you in any way, shape or form. Be sure though that you are not skipping your turn too often. Your answer is not evaluated for correctness, but rather for its intention and involved thought process.

Formal assessments

Advance notice will be given for any formal assessment. Quizzes are short, both in time and in scope. Tests will be cumulative throughout the year.

Collaboration

You are welcome (and are encouraged!) to collaborate on homework, challenges, and class assignments, unless explicitly specified otherwise.

However, you are required to submit your own original work. In this regard, giving your work for someone else to copy is NOT ok. Describing and explaining your work to them is encouraged.

Class behavior guidelines

Students are expected to behave according to, and in a manner encouraging, our four commitments. I expect us all to be courteous and respectful to fellow community members. Specific items for my class:

1. Please neither FOOD nor DRINKS in the classroom (during class, or when you come on open-block times).
2. Taking pictures of class material is ok, but no other cell-phone usage.
3. Working on computers and mobile devices when directed is ok, but please no unrelated web-activity.
4. Raising your hand and asking to leave class is ok, but please don't leave without being dismissed.

Grading Scale

93-100	A	73-76	C
90-92	A-	70-72	C-
87-89	B+	67-69	D+
83-86	B	63-66	D
80-82	B-	60-62	D-
77-79	C+	Below 60	F

Academic Integrity

Academic integrity is essential to every academic institution. Students are expected to honor this value by acting honestly in every aspect of their academic lives. Violating academic integrity is contrary to Kehillah's core values and will be grounds for disciplinary action. Kehillah students are expected to perform and produce their own

work. Substitution of another's work for one's own violates the school's expectation of academic integrity and impedes the intellectual growth of the student.

Academic Dishonesty Includes:

- Presenting as one's own an idea or statement taken in full or in part, or even paraphrased, from some other source – whether another person (such as a tutor or parent), a published work (including electronic and on-line publications), or another student's work.
- Using unauthorized notes or other aids in a test, or copying from or being influenced by another student's work (orally or visually) during a test, quiz, etc., or seeking unauthorized information about a test or quiz.
- Giving unauthorized aid to another student; allowing another student to copy or use one's test, paper, or homework; telling another student what was on a test that could be given to another student at a later time.
- Submitting papers or other work already produced for another course without the approval of both teachers.
- Obtaining help (from a parent, tutor, another teacher, or another student) on homework or take-home tests that exceeds the limits specified by the teacher assigning the work.

The Dean of Students will review the incident and determine the next steps which may include loss of credit for the assignment or test, an academic or disciplinary contract, suspension, and/or expulsion.

===== Next page is signing page =====

Please sign and upload to Schoology (e-sign OK, or a picture of the page):

“I have read and understand the Alg2H Syllabus”

Student Signature:

Name (please print): _____

Signature: _____ Date _____

Parent / Guardian Signature:

Name (please print): _____

Signature: _____ Date _____

===== **End** =====