

Trigonometry
Syllabus and Course Outline

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Course Description

Trigonometry

Grades: 12

Credit: 0.5

This course covers trigonometric functions applications, identities, complex numbers, equations, inverse functions, and logarithmic functions.

Evaluation Procedure

Each student will be evaluated on the basis of performance in each of the following areas:

Homework

Tests

Quizzes

Grading System

<u>Letter</u>	<u>Percentage</u>
A	90-100
B	80-89
C	70-79
D	60-69
F	59 or below

Schedule

Chapter 7	The Unit Circle: Sine and Cosine Functions
Chapter 8	Periodic Functions
Chapter 9	Trigonometric Identities and Functions
Chapter 10	Further Applications of Trigonometry

Book

Algebra and Trigonometry: <https://openstax.org/details/books/algebra-and-trigonometry>

Materials Needed Daily

Binder, Loose leaf paper, Graphing paper, Graphing Calculator, Pencil, Book, Chromebook

Class Rules

1. Respect and be polite to all people. (Listen carefully. Do not interrupt the teacher or other students. Rudeness and disrespect will not be tolerated.)
2. Respect the property of others. (Put litter in the trash can. Return borrowed items. Do not write on desks, walls, etc.)
3. Bring all needed materials to class every day (pencil, paper, text, assignments, calculator).
4. Use the restroom before coming to class.
5. Obey all school and district wide rules (e.g., dress codes; absentee and tardy policy; no food, drink, or gum in the classroom, etc.)
6. Exercise self control at all times. (Crude and offensive language will not be tolerated. Keep hands and feet to yourself. No items (e.g. pencils, paperwads, etc.) are to be thrown or tossed inside the classroom. Tone and volume of voice will be controlled at all times.)
7. Use a pencil. Work done in anything other than a pencil will result in no credit.
8. Put your name on work. Work turned in without a name will result in no credit.
9. Missed Quiz/Test. School rules followed per Student Handbook.
10. Tests. Talking at any point on test days will be deemed cheating and result in an automatic 0.
11. Chromebook. Your Chromebook must be with you at all times. Chromebooks are for educational purposes only, they are not to be used for games.

12. Cell Phones. Cell phones are not permitted in class.
13. Homework. Each day homework is turned in late will result in a 20% penalty.

Keys to Success in this Course

1. Do all the assignments yourself. Getting help from parents, another student, or me is fine, but NEVER just copy someone else's work.
2. ALWAYS copy the problem before working it. (Exception: word problems.)
3. ALWAYS show your work. Turning in a list of answers is not acceptable.
4. WRITE DOWN everything I do on the board.
5. Make sure you understand what I'm talking about. If you don't understand, ask me to please go over it again.
6. Make sure you are able to do assignment problems WITHOUT looking at a "model" or "sample" problem. You may need a model for the first few problems, but try to get beyond the need for it quickly. (This is a critical step for doing well on tests.)
7. Keep an excellent folder—the more notes you have, the better.
8. If you are having problems, TELL ME ABOUT IT!
9. Learn to PAY VERY CLOSE ATTENTION TO DETAILS. In mathematics you must learn to pay attention to every letter, every minus sign, every parenthesis, etc. Many students lose lots of points because of carelessness and inattention to detail!

Specific Student Handbook Notes

FOOD AND DRINKS IN THE CLASSROOM, HALLWAYS, & UNAUTHORIZED AREAS

Howland Junior High and High School have a No Food Policy; therefore, food/candy of any kind, should not be brought into the school in response to the growing presence of food-based allergies and in order to maximize instructional time. Students can carry clear water bottles with water only in these areas.

USE OF CELLULAR WIRELESS PHONES AND PCDs, & DEVICES LISTED, BUT NOT LIMITED TO...

Possession of a cellular telephone or other personal communication device (PCD) such as smart watches, ipods, personal tablets, etc. by a student is a privilege, which may be forfeited by the student if the student turns it on, uses it or allows it to be visible during the school day. Prohibited uses of the cellular telephones or PCDs during the school day includes making and/or receiving calls, sending/receiving text messages (**including parent/guardian communication**), taking pictures, making recordings, and/or posting to social network sites.

PCDs may be used during the school day at the discretion of the individual classroom teacher for **educational purposes only**. Personal use is prohibited under this policy and students are not permitted to use personal devices outside of the classroom may include but are not limited to the restrooms, hallways, study hall, cafeteria, etc. Earbuds/headphones are only permitted in areas of the building designated by administration.

Students are not to use earbuds/headphones in the hallways between classes nor at dismissal time – using this technology can be a distraction to the student and cause potential safety hazards. PCDs are to be stored in the students' locker or designated areas at the Junior High and High School levels. The use of PCDs is strictly forbidden at all times in school locker rooms, restrooms, and other areas where privacy can be expected in every school. Electronic devices confiscated are subject to search with reasonable suspicion.

CAMERAS

Students are not permitted the use of cameras or any device that reproduces images unless they are previously authorized by an administrator.

ACADEMIC DISHONESTY/ CHEATING/ PLAGIARISM

Students are expected to engage in ethical academic practices. Students found engaging in dishonest academic practices shall receive no credit on assignments completed by unethical means; are unable to retake or resubmit said assignment for credit; and depending on the nature and scope of the offense will be issued detention(s) by their teacher and possibly subject to informal or formal discipline per administrative discretion.

In the case of appeal from a student, instructors must provide evidence to administration to substantiate a student violation of Howland High School academic dishonesty policy.

The policy on academic dishonesty pertains to all subjects, including tests, quizzes, homework, projects and all academic work in and out of the classroom.

The following list provides examples of actions that are considered academic dishonesty:

- Submitting another student's or author's work as one's own
- Copying another student's homework or course materials intended for individual student completion
- Using online or outside resources for completion of assignment without expressed permission of an instructor
- Sharing information about assessment contents with other students
- Facilitating academic dishonesty by providing other students with your work to copy or submit as their own
- Using "cheat sheets" or other aids (including electronic retrieval) on assessments

EXCUSED AND UNEXCUSED ABSENCES:

The Howland Board of Education has established classification of excused and unexcused absence from school.

The following conditions constitute reasons for excused absence from school:

1. Personal illness
2. Illness in the family necessitating the presence of the child
3. Quarantine of the home
4. Death in the family
5. Work at home due to absence of parents or guardians

6. Observation or celebration of a bona fide religious holiday
7. Necessary work at home due to absence or incapacity of parent(s)/guardian(s)
8. Out-of-state travel (up to a maximum of four (4) days per school year to participate in a District-approved enrichment or extracurricular activity)
9. Such good cause as may be acceptable to the Superintendent or designee
10. Medically necessary leave for a pregnant student in accordance with Board Policy
11. Service as a precinct officer at a primary, special or general election in accordance with the program set forth in Board Policy

Due to an excused absence, students will be provided an opportunity to make-up missed school work and/or tests.

MAKE-UP OF TESTS AND OTHER SCHOOL WORK

In general, one day for each excused day absent is permitted for each student to make-up assignments. Students may not receive credit for work missed due to an unexcused absence but are encouraged to keep up with any missed assignments. Any exceptions need to be at the discretion of the principal.

UNEXCUSED ABSENCES (TRUANCY/CUTTING CLASS):

Howland Local Schools do not excuse absences from school for such reasons as:

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| 1. Private lessons | 5. Vacation |
| 2. Oversleeping | 6. Any other absence not considered part of a reasonable school program |
| 3. Car trouble/no ride/traffic | |
| 4. Non related school exams | |

Cutting class or part of the school day will be identified as an unexcused absence and students will be permitted to make up any missed work; however, students may not receive credit for the missed work. Students may also be assigned In School Discipline for academic additional support.

FUTURE EXCUSES

It is strongly recommended that parents not take their child out of school as it is not in the best interest of the child's education. When absences must be scheduled during the school year, a future excuse form must be submitted to the office a minimum of three school days prior to the proposed absence for principal approval. As a reminder, any hours will count towards the total allowable amount of missed school hours for the school year under House Bill 410.

As a reminder, vacations and other unexcused absences are not permitted under Board policy. Any permission requests for completion of assignments to earn credit will be determined at the discretion of building administration with consideration of its impact on HB 410 attendance mandates.

Students are responsible for informing their teachers of impending absences in a timely manner. Work provided in advance may be due upon the student's return to school; otherwise, a student will have no more than the number of days absent to make up required work and tests if the absence is deemed excused by school administration.

If the future excuse form is not submitted within three school days of the first day of the proposed absence, it will not be excused; therefore, credit will not be awarded for assignments.

