

IB Trigonometry 1 and 2
1.0 Credit
Math

Greetings to the students of my classroom! I'm looking forward to the upcoming year and am excited to get to know all of you. You're probably wondering what's going to be happening in here for the next trimester. In response, here is a brief statement about what I am going to be asking of you. It is my goal to make this class fun, interesting, and understandable, but in order for this to happen, you must meet me half way by putting some effort into your learning. Here is an outline of what to expect and what will be required of you.

I. Grade Level Expectations:

In this class students will know and be able to do the following:

1. Graph linear, quadratic, cubic and higher order functions.
2. Solve equations and inequalities.
3. Find the inverse of functions and be able to explain domain and range.
4. Solve quadratic and higher order equations.
5. Generate the unit circle.
6. Use right triangle trigonometry.
7. Graph trigonometric functions like sine, cosine, and tangent.
8. Graph inverse trigonometric functions.
9. Understand and manipulate trigonometric identities.
10. Use trigonometry to work with vector problems.
11. Calculate probabilities and answer questions in Combinatorics.
12. Generate, calculate specific terms of, and sum up arithmetic, geometric, and recursive sequences.
13. Review all previously learned math concepts.

II. Reading Standard

Reading is an important part of being successful in mathematics. In this class the following reading standard will be of primary focus:

Reading 2.1.5 Apply comprehension monitoring strategies for information and technical materials: determine importance and summarize text.

As we encounter written problems, we will practice this standard continuously by sifting through the written words, determine what information is important to finding a solution, and summarize what is needed to solve the problem successfully.

III. Description of Assignments and Course Expectations:

In this class you are asked to perform in three areas: daily work, tests/projects and skill drills. Each of them plays a significant part in calculating your final grade for the class. Here are a few words about each of these categories and an explanation of how much they “weigh” into your overall grade.

** Note: As we move as a school towards standards-based assessment, these grading standards and criteria may be subject to change.*

Daily Work (25% of the grade)

Assignments will be given daily, and each assignment will either be due that day or the following day in class. If you do a majority of the problems, show your work, and turn it in on time, you will receive excellent grades on your daily assignments.

Level Skill Drills/Tests (30% of the grade)

Each day we will begin class with a warm-up of review problems to keep your math skills strong. After 10 of these warm-ups there will be a test worth 100 points. If you stay on top of the warm-ups and PARTICIPATE in discussion, the tests will be easy.

Quizzes/Tests/Projects (45% of the grade)

Tests: These are pretty self-explanatory. They come at the end of a unit and are usually worth 100 points.

Projects: The IB program requires portfolio projects

IV. Assessment

Grading. Your grade will be determined by averaging the scores in each of the areas above to attain a percentage. This percentage will be translated into a grade based on the following scale:

92-100	A
90-91	A-
88-89	B+
82-87	B
80-81	B-
78-79	C+
72-77	C
70-71	C-
68-69	D+
60-67	D
Below 60	F

Skill Drills / Class Projects and Extra Credit

You will notice that the percentages already add up to 100% for the first three categories. Beyond this, you are required to complete **two** skill drill packets (or equivalent project assigned by instructor) every 6 weeks. Here is how it works:

- 2 packets in -----> 20 extra test points
- 1 packet in -----> -10 test point penalty
- 0 packets in -----> -40 test points penalty

V. Make-Up Policy and Attendance:

Late homework You may turn in homework late for 1/2 credit by coming to see me before or after school. **Late work will only be accepted during the week it was originally assigned.**

Excused Absence Policy for assignments You may only turn in assignments missed for excused absences. You will have the number of days missed plus one extra to make up the work without penalty. It is *your* responsibility to ask me for missing assignments.

Excused Absence Policy for tests If you have an excused absence the day of a test, you must be prepared to make up the test the day you get back to class. If you miss class prior to test day and arrive on test day, **you will be expected to take the test anyway, so be prepared!**

Final thoughts: At the moment, everyone has the potential to get an 'A'. I strongly suggest that you stay on top of the homework and skill drills, because they can make or break you in this class. If you do the homework consistently and thoroughly, you will do better on the quizzes and tests. A 100% homework average can also save you if you do blow a few tests. Let's all work hard this trimester and have a good time!

STUDENT SIGNATURE: _____

PARENT SIGNATURE: _____