

Ms. Prior
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Room A206 Ext. 2105

Course: Functions & Trigonometry

Text: Functions & Trigonometry (produced by SHS and available online)

Expectations for Student Learning:

Academic Expectations

1. Apply critical thinking to solve problems.
2. Apply creativity to formulate work and express themselves in a variety of ways.
3. Exhibit effective communication skills.
4. Access, analyze and demonstrate an appropriate and varied use of information literacy and technology skills.

Social Expectations

6. Demonstrate personal responsibility.
7. Show respect for all individuals through collaborative and cooperative opportunities.

Civic Expectations

8. Exhibit a commitment to community involvement.

Course Description:

Students are expected to take responsibility for their own learning.

This course in higher-level mathematics will continue to explore multi-variable models, formalization of the concept of functions, function notation, domain and range. Students will use linear, exponential, and quadratic and other polynomial functions to model situations. Trigonometric models will also be studied. This course will prepare students for Advanced Math II or college level mathematics courses. The TI-83 or TI-84 graphing calculator is highly recommended.

Materials:

- ✓ **Math Binder**, with lined paper and dividers
- ✓ *Students must have his/her own graphing calculator (TI-83 or TI-84 is the best for this course) for classroom use, use on tests and quizzes, and homework use*
- ✓ **PENCILS** and erasers
- ✓ Student Planner



Class Website:

<https://sites.google.com/a/shrewsbury.k12.ma.us/prior/>

Course Expectations:

Here's what you can expect your TEACHER to do:

- Give you notes and practice problems to reinforce and clarify what you learn
- Help you to create toolkit cards to summarize important information
- Provide you with frequent and varied assessments and consistent review
- Provide feedback on your performance
- ANSWER QUESTIONS
- Provide help after school at least two days per week (hours vary and are posted at the end of the previous week)

Here's what your teacher expects YOU to do:

- **Behave respectfully**, towards your classmates and me
- Listen and participate in class discussion, take good notes, and do all assignments to the best of your ability
- ASK QUESTIONS
- Come for extra help after school, with me or in the Peer Tutor Center

Semester Grade:

Each quarter grade counts 40% and the semester exam counts 20% of the semester grade. You will EARN your grades on the following scale:

65-70%

- ✓ Tests (usually one per unit) will usually be worth 80-100 points each
- ✓ "Quick Quizzes" (usually one *set* per lesson) will usually be worth 10-20 points each- these are short, individual assessments on one topic, and you will usually take a set of two, of which only the *higher* grade will be counted

10%

- ✓ Partner Quizzes (usually one per unit) will usually be worth 20-30 points each
- ✓ Writing Assignments (usually three per semester) will usually be worth 20 points each- these will sometimes completed individually and sometimes collaboratively, and will be graded using the *school-wide rubric*
- ✓ Participation and Mathematical Communication (one grade per quarter)- see "PMC" rubric

15-20%

- ✓ Graded Assignments (multiple per unit) will usually be worth 30-50 points each- these assignments will sometimes be completed individually and sometimes collaboratively
- ✓ Assisments (one per week)- SEE "ASSISTMENTS" HANDOUT

5%

- ✓ Class work and homework ***timely completion*** (graded approximately three times per week) will usually be worth 1-2 points per assignment

Additionally, in every unit, you will be provided with optional work that can be completed for **extra credit**. This work will sometimes be extra practice and sometimes be "challenge" problems. Everyone is encouraged to complete this extra work; however, you will only receive credit for extra work if ALL of your regular work is completed.

"Second Chances"

Recognizing misconceptions, fixing mistakes, and trying new strategies are essential to making progress in math class. As such, almost every "Quick Quiz" is given as set of two, and only the better of two will count towards your grade.

Homework and other assignments *may* be accepted late for *partial* credit, provided you speak with your teacher.

Make-up Work:

- ✓ If you are absent (for any reason) the DAY BEFORE a quiz or test, you are still responsible for taking the quiz or test with the class AS SCHEDULED.
- ✓ **If you are absent the PERIOD of a quiz or test, you are responsible for making up the assessment IMMEDIATELY upon your return to school.**
- ✓ YOU are responsible for making arrangements regarding make-up assessments and work. Tests and quizzes may be made up by appointment after school or during a free period. Class notes missed may be borrowed from a fellow student or often accessed on the class webpage.
- ✓ Cutting class, of course, results in a zero for any work done during the period.

Extra Help: Available after school with Mrs. Prior, as posted weekly, or in the Peer Tutor Center after school or during study periods.

A small request: The Teacher's Wish List

Donations of **BOXES OF TISSUES** would be greatly appreciated, as they are used quickly in our classrooms.
Thank you!

-----Please complete and hand in the portion below-----

STUDENT NAME:

STUDENT SIGNATURE:

PARENT/ GUARDIAN NAME:

PARENT/ GUARDIAN SIGNATURE:

DATE _____