

ATYP Math 1 – 1st and 2nd Year Algebra

2009-2010

Instructor: Mrs. Deborah Evans Phone: 269-317-8686
Email: billanddebe@aol.com or devans@wmich.edu
Class Meets in Room TBD; Tuesdays, 1:20 – 3:50 pm.

Texts: Algebra 1 and Algebra 2, Prentice Hall Mathematics-High School Math Series by Bellman, Bragg, Charles, Hall, Handlin & Kennedy, 2007

Goals: A thorough mastery of algebra, the language of science, business and life; allowing students to study the relationships between variables. Our approach will be analytical, graphical and experimental, enhanced with graphing calculator technology.

Homework: Mastery will come from doing the homework problems – roughly 60 – 80 per week; five to eight hours each week.

*Before attempting the HW problems from a new section, read that section for understanding. Keep your papers neat, starting each problem at the left margin, showing all steps, and boxing/highlighting your answer. Clearly label each section and each problem. Present your work in a FINAL copy version, not a rough draft format.

*Calculators may be employed as tools to check or enhance the learning process. If a calculator is used as part of the solution process, you are still required to state clearly the procedure you used and/or draw a sketch of your graphing screen.

*Staple your HW in order before coming to class, following instructors labeling format.

*Homework problems are on the attached page (syllabus). HW will be graded each week. This may be a sampling of the problems or all of them. The solutions will be returned in a timely fashion to allow the student feedback on the problems. To assist in feedback to the student, the assignments have an overlap of sections from one week to the next.

Exams: The first two, fourth and fifth exams are one-plus hour exams written by the instructor and administered during the class period on the days indicated. The exam's grade is weighed equally with the average of the previous six HW assignment grades. The final exams in January and June are the latest MI Standardized assessment and administered during the last class period. These are timed tests where some restrictions on calculator usage exist for sections of the exam. Exams are typically given in class.

Class Meeting: When students arrive before class, they write on the board the number and sections of those problems they could not solve on their own. We spend the first 20-30 minutes discussing related problem solving. So it is important to know your questions are *before* our class meets. We then go over new material in a discovery oriented way. Examples are given and the students are encouraged to discover the general principle. We will take a short break midway through class. Students are allowed to get food or drink. Students are expected to remember they are guests at the Kendall center and are stewards for their home schools. Students are also expected to clean their work areas prior to dismissal.

--- Assignment Detail Semester Fall---

The following course outline will allow us to cover all the Michigan Grade Level Content Expectations for Algebra I. Homework problems do not include Test Prep or Mixed Review problems, just the section Practice and Problem Solving exercises. We will be skipping sections 3.7, 3.9, 5.1 and 11.5-11.6.

Class Date	New Sections Covered	Homework Assignment	Due Date
No Session 9/8	1.1 – 1.6	1.1 - 1.6: 2's (2, 12, 22) Sections ABC	9/15
1 9/15	2.1 – 2.5	1.1 - 1.6: 4's BC and 2.1 - 2.5 ABC	9/22
2 9/22	2.6 – 3.3	1.1 - 2.5: 6's BC and 2.6 - 3.3 ABC	9/29
3 9/29	3.4 – 3.6, 3.8, 4.1	2.1 - 3.3: 8's BC and 3.4 - 4.1 ABC	10/6
4 10/6	4.2 – 4.6	2.6 - 4.1: 2's BC and 4.2 - 4.6 ABC	10/13
5 10/13	5.2 – 5.6	3.4 - 4.6: 4's BC and 5.2 - 5.6 ABC	10/20
6 10/20	5.7 – 6.4	4.2 - 5.6: 6's BC and 5.7 - 6.4 ABC	10/27
7 10/27	6.5 – 7.1 & EXAM 1	5.2 - 6.4: 8's BC and 6.5 - 7.1 ABC	11/3
8 11/3	7.2 – 7.6	5.7 - 7.1: 2's BC and 7.2 - 7.6 ABC	11/10
9 11/10	8.1 – 8.5	6.5 - 7.6: 4's BC and 8.1 - 8.5 ABC	11/17
10 11/17	8.6 – 9.2	7.2 - 8.5: 6's BC and 8.6 - 9.2 ABC	12/1
11 12/1	9.3 – 9.7	8.1 - 9.2: 8's BC and 9.3 - 9.7 ABC	12/8
12 12/8	9.8 – 10.4	8.6 - 9.7: 2's BC and 9.8 - 10.4 ABC	12/15
13 12/15	10.5 – 11.1 & EXAM 2	9.3 - 10.4: 4's BC and 10.5 - 11.1 ABC	1/5
14 1/5	11.2 – 11.4, 12.1, 12.2	9.8 - 11.1: 6's BC and 11.2 - 12.2 ABC	1/12
15 1/12	12.3 – 12.6 & Final Part 1	10.5 - 12.2: 8's BC and 12.3- 12.6 ABC	1/19
16 1/19	Final Part 2 & begin Alg 2	12.3-12.6 2's & 4's sections: ABC	1/26

All homework comes from sections labeled **Practice and Problem Solving: A, B and C.**

Exam 1 – October 20 – Content material from 1-1 to 4-6.

Exam 2 – December 15 – Content through 9-2. No time limits.

Final Exam is a timed Michigan Standardized Exam covering all Algebra 1 content. Calculators use limited on final.

Grading: To obtain credit for the course, students are expected to perform satisfactorily on both homework and exams. **Grades: A** (80 – 100), **B** (60 –79). Homework and exam averages will be calculated separately, then together. Both averages must meet the minimum requirements. Other factors, such as class performance and class discussion, will assist the instructor in assessing the student’s understanding of content. Final evaluations will assess the student’s overall comprehension of the content. HW falling below 60% three times indicates that the program might not be suited to the student. Conferences with the parent(s) and teacher will be necessary and the decision may be to dismiss the student from the program.

Responsibility: Homework must be submitted on the due date. Dates are not extended for absences. It is the student’s responsibility to contact the instructor to find out what was missed and make necessary arrangements to get questions answered before the next class session. *Remember, you miss the equivalent of an entire week of your home school when you are absent for ATYP. Too many absences will affect your grade and may require you to drop out of ATYP. (Refer to “Rules and Responsibilities for ATYP Students Enrolling in ATYP Classes”.) **Homework is not an optional activity.** Experience has shown that skipping a week proves to have a negative effect on a students overall class performance and final grade.

Communications: Please contact me if you are having difficulties. I have children too and understand that there are times when things can seem overwhelming. I want you to be successful. You can call me any time before 9:00 pm on a school night and 10:00 pm on weekends. So can your parents. If I do not answer, please leave your name and a number where I can return your call. You can also email me anytime with questions. But, remember I do not live on the world-wide web!

Mrs. Evans Home Phone 269-979-5607, or Cell 269-317-8686 Mine, however is not glued to my ear! – If I am home, my cell is off “) Mrs. Evans e-mail address: billanddebe@aol.com – Remember if your question is keeping you from progressing in your homework, call. Don't wait for an email response. Until I get to know your email addresses, include “ATYP” in your subject line.

Some Tips to help you outside the classroom.

- Being homework as soon as possible after our weekly class sessions.
- Take quality in-class notes including documenting examples for reference back
- Read the introduction to the new sections for understanding.
- Work through the examples step-by-step, thinking about why each was made.
- Work an odd numbered problem adjacent to the even numbered problem (these answers are in the back to help check your work).
- Write out every step in the solution process and check your work as you go.
- Follow the Internet links suggested in each section in the math book.
- Phone or e-mail ⁽¹⁾ a classmate or Mrs. Evans for additional homework help. Be sure to have specific question and section on hand.
- Form a study group with your peers.

Seasonal Weather Conditions of Snow Days: If a snow day occurs for **Battle Creek Public Schools**, then ATYP MATH will not meet that day. Parents should make safety decisions about traveling for their particular situation. If closed, you are to work on the next homework assignment. You will turn in 2 homework assignments the week you return. An optional study hall/help session may be offered during the weekend at a meeting location in Battle Creek. If a test was scheduled on the snow day, expect to take the test on the week you return. If a test was scheduled for the day you return, I will call with the plan.

Holiday Breaks: Class will not meet September 8, November 24, December 22 or December 29 of the Fall Semester. Spring Break is the week of April 5, 2010.

Study / Help Sessions: The instructor may from time to time offer to facilitate evening, in home-school or weekend sessions. These will be announced as they become available.

Note: Please know that the instructor reserves the right to change or modify any assignment that is appropriate or necessary. Errors or omissions made may be corrected as discovered.