

	<p>and tests, if the learner pays attention in class, studies notes regularly and completes homework independently.</p> <ul style="list-style-type: none"> • Quizzes will be given almost every week. • If the student frequently misses days when quizzes are given (after the 2nd time), he/she won't be given a chance to make up any more quizzes and will receive a zero for that quiz. However, at the end of the semester, the instructor will drop everyone's lowest quiz score. • There will be a test after completion of each chapter. • If the student is absent (excused) on the day a test is given, he/she will make it up upon his/her return to class. • Assignments including tests/quizzes that are missed due to unexcused absence(s) can't be made up. • Any assignment that is not made up within one week from the due date will receive no credit. It is the student's responsibility to make up his/her missing work within this time frame. <p>EXTRA CREDIT:</p> <ol style="list-style-type: none"> 1. Extra credit problems will be included occasionally on tests, quizzes or homework. Try them! 2. Getting 90% or higher on any tests/quizzes will earn u a sticker that can be redeemed as extra credit. 3. The student should not ask for an extra credit assignment to bring up his/her grade at the end of marking period or semester.
<p>SUPPLIES AND MATERIALS NEEDED:</p>	<p>The learner is required to bring the following to class everyday:</p> <ul style="list-style-type: none"> • 1 ½ inch 3 ring binder to keep and organize lecture notes, homework/activities, graded tests/quizzes and etc. • Loose leaf and graph paper • Pencils , no pens please • Straight edge • Textbook: ALGEBRA 2 (needs to be covered)
<p>EXTRA HELP:</p>	<p>Additional classroom teacher assistance is provided to the student before and after school. Never be afraid to ask for help. Remember that your success depends on you and your effort.</p>
<p>INSTRUCTIONAL PHILOSOPHY:</p>	<p>Methodology is through lecture, discussion and teacher directed activities. The instructor will assist each individual to become successful; however,</p>

	<p>the student should be willing to perform his/her best as well. The learner will succeed in this class and earn a good grade by participating in class enthusiastically, by asking questions when he/she doesn't understand a problem, by completing homework on time and studying regularly and by getting good grades on tests and quizzes.</p>
<p>INSTRUCTIONAL ACTIVITIES AND COURSE PROJECTS:</p>	<p>There will be a combination of individual, group and partner work in this class to challenge all students towards their absolute potential. After presenting a lesson, the learner will have time (5-15 minutes) at the end of each class time to try out assigned problems and ask questions if necessary. Students who use their time wisely will be able to finish most of the assigned problems in class. All assigned problems for a particular lesson are due the day after that lesson is presented.</p> <p>The learner will also do mini projects and class investigations in order to achieve the most out of his/her learning experience.</p> <p>These projects/investigations may include:</p> <ul style="list-style-type: none"> • Describing the end behavior of a polynomial function using the Leading Term Test (#1 and #3 course goals) <ul style="list-style-type: none"> _ The student will be able to classify any polynomial function of the form $p(x) = a_n x^n + a_{n-1} x^{n-1} + a_{n-2} x^{n-2} + \dots + a_1 x + a_0$ into four cases if $a_n x^n$ is the leading term of this polynomial function. <p>Case 1: If n is even, and $a_n > 0$</p> <p>Case 2: If n is even, and $a_n < 0$</p> <p>Case 3: If n is odd, and $a_n > 0$</p> <p>Case 4: If n is odd, and $a_n < 0$</p> • Graphing a polynomial function without using a graphing calculator (#3 course goals) <ul style="list-style-type: none"> _ The student will be able to graph a polynomial function by determining the end behavior of a function using the leading term test, finding the zeros of the function, using the zeros (x-intercepts) to divide the x-axis into intervals and choosing a test point to determine the sign of all function values in that interval and etc.

<p>CLASSROOM EXPECTATIONS:</p>	<p>The learner is expected to:</p> <ul style="list-style-type: none"> • Come prepared to class every day and ready to learn.
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	<ul style="list-style-type: none"> • Be in his/her assigned seat with the required materials <u>before the bell rings</u>, otherwise, he/she is marked tardy. • Contribute positively to the learning environment in the classroom. • Show respect toward self, other students, teacher and all personal/school property by words and actions. • Respect the fact that no bags of any size (except string bags) is allowed in the classroom. <u>There will be no exception.</u> • Be in compliance with the dress code at all times. <p>ATTENDANCE: Attendance is crucial. Students are expected to attend every scheduled class. It is the learner’s responsibility to keep informed of any announcements, syllabus adjustments, or policy changes made during scheduled classes.</p>
<p>HOMEWORK POLICY AND GRADING SCALE:</p>	<p>Homework is intended to help the learner develop the necessary skills to pass this class successfully.</p> <ul style="list-style-type: none"> • Will be assigned almost every day. • Should be worked legibly in student’s binder. • Will be checked at the beginning of each class then corrected. • Will have the maximum of 5 points per assignment. Points will be given based on the completion, neatness and work shown. <u>Numerical answers are not accepted!</u> • Late homework will be accepted for <u>maximum of 3 points</u> up to three days late. <p>Marking period grades will be based on percentages such that tests, quizzes and projects are 70% of overall grade, homework is 25% and participation is 5% of the overall grade. Final letter grade for each semester will include marking period grades and the semester exam, using the percentages listed in the Student Handbook.</p>
<p>CONTACT INFORMATION:</p>	
<p>Teacher:</p>	<p>Mahsa Furouzandeh</p>
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I have read the above syllabus carefully. Student Name (Print): _____

Student Signature/Date: _____ Parent Signature/Date: _____

Common Core Standards

1. HSN-Q.A.1, HSN-Q.A.2, HSN-Q.A.3, HSF-IF.C.7
2. HSF-IF.A.3, HSF-BF.A.2, HSF-LE.A.2, HSA-SSE.B.4, HSF-IF.A.3, HSF-BF.A.2, HSF-LE.A.2
3. HSF-IF.B.4, HSF-IF.C.9, HSA-APR.B.3, HSA-CED.A.2, HSF-IF.B.6, HSF-BF.A.1a, HSS-ID.B.6a, HSA-SSE.A.2, HSA-REI.B.4b, HSF-IF.C.8a, HSF-IF.C.7c, HSF-IF.C.7b, HSN-BF.B.3, HSA-REI.A.1, HSA-REI.A.2, HSA-APR.D.6, HSF-BF.B.3, HSA-CED.A.4
4. HSN-RN.A.1, HSN-RN.A.2, HSF-IF.C.7e, HSF-BF.B.4a, HSF-LE.A.4, HSA-CED.A.2
5. HSF-IF.C.7e, HSF-BF.B.3, HSF-TF.B.5, HSF-BF.A.1a
6. HSF-BF.B.3, HSF-IF.C.7c
7. HSS-CP.A.1, HSS-CP.A.2, HSS-CP.A.3
8. HSS-ID.A.4, HSS-IC.A.1, HSS-IC.A.2, HSS-IC.B.3