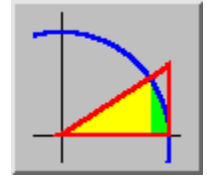


Mr. Morgan, Math Analysis/Trigonometry



Welcome back to school! I will be the teacher for **Math Analysis/Trigonometry**. Following is a general description of the course, benefits students may expect to receive, and the course grading procedure.



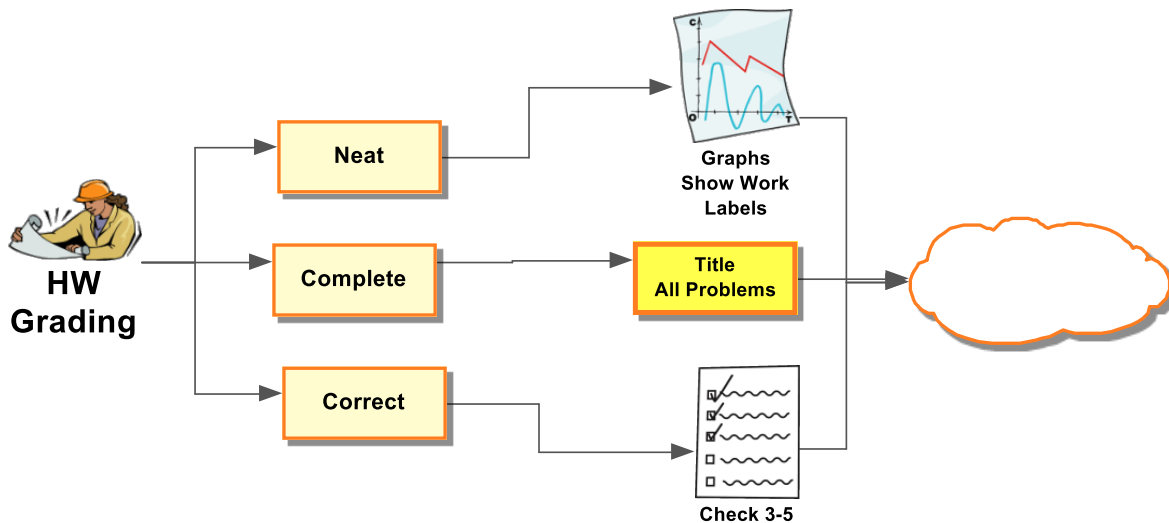
Course Description:

We encounter the need to think critically and solve problems in our lives every day. You have learned to master much of the "grammar" of mathematics from your experiences in Algebra 1 and 2. You have also learned to "see" math in the shapes of our world and to form logical proofs from your experiences in Geometry. This class will require you to use these and other abilities to apply your mathematics. Critical to success will be developing problem solving skills such as breaking down problems into manageable parts, solving simpler problems first, making meaningful pictures and charts, looking for patterns, and modeling with algebraic equations.

Benefits: Students may expect to improve their skills in:

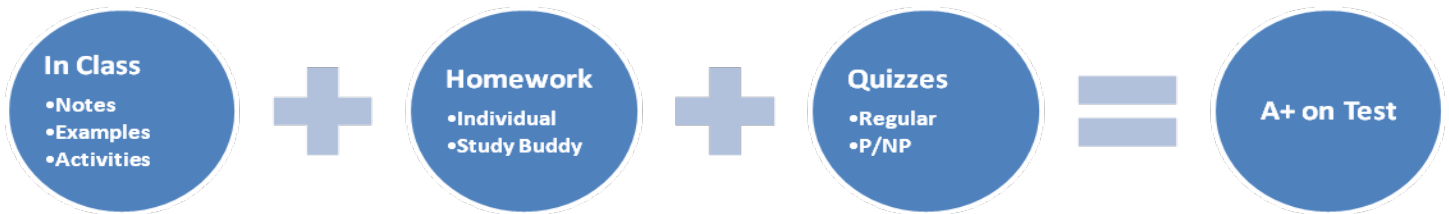


Grading Procedure:



Most quizzes and tests are worth 25 points and 100 points, respectively. Special projects will also be worth comparable point totals. FINAL exams will be worth 200-300 points. Also, there will be

P/NP quizzes worth 25 points. The following scale determines each grade: 90% + A; ;77-89% B; 65-76% C; 50-64% D; below 50% F.



Student Responsibilities

Hand in homework & projects as assigned. (Homework will be given nearly every day. Note: *late assignments will not be accepted unless due to an excused absence.*)

Keep an organized notebook including class notes, recent assignments and tests. Bring a mechanical pencil and dry erase pen to class. **You will bring your notebook to Open House & Parent Conferencing.**



Are calculators required? Yes! TI-84,3s or 89s. I have some you are welcome to check out if you bring 4 X AAA Batteries.

Food and drink are not to be brought to class; that includes GUM! The selling of candy is strictly forbidden during class time. Water bottles are OK.

Extra Help & Make-Ups:

I will be available most Wednesdays and Thursdays after school from 3:15 to 4:30.

Looking forward to a terrific semester,

A handwritten signature in black ink that reads 'Mr. Joseph Morgan'.

An extra note to parents: Let's keep in touch to help your child have a very meaningful and successful year! I am most easily reached by sending e-mail (joemorgan@earthlink.net) and you are also welcome to leave telephone messages for me on my cell (818-903-6824).

Assignments, this letter and any special projects and notes to students can usually be found on my WebPages MorganMath: <https://sites.google.com/site/morganmathematics/>

I have read this Course Content Letter

-----, period ____
Student Print Name Student Sign Name

Parent Print Name Parent Sign Name

DAY	Description	Assignment
	<u>1.1 Distance & Midpoint</u> Welcome Seating & Names Calculators Website- Syllabus	W/S: Distance & Midpoints Cover Book 4- AAA Batteries/Calculator
	<u>Linear Equations</u> Matching: Verbal-Table-Grp-Eq Matching: 5-Ways with Lines	W/S 5-Ways with Lines Bring Book: (5 ECs for best covered book)
	<u>1.3 Solving Eqs in 1 Var</u> P/NP Quiz #1: 5-Ways; Dist; Midpt Calculator Skills: zero, root, intersect, IHWH w/ Calculators 26/Ex 3	READ 1.3 , pages 24-27 26/5-16;17-35 o
	<u>P/NP #1</u>	
	<u>1.4 Parrallel & Perp Lines</u> IHWH w/Calculators Horiz & Vert Lines Calculators: Friendly Windows; Square screens EX 1-3,5-12	40/7-52; 53-63 o
	<u>1.5 Circles</u> W/S Exp & Factoring Quads Standard & General Forms Ex 1, 5 Ex 4 Completing the Square	49/5-8; 9-29 o; 31-44
	<u>Review</u>	52/1-59 o; 54/1-8
	<u>Test</u>	

Math Analysis Chapter 2 Assignments

Morgan

DAY	Description	Assignment
	Chap 1 Test Debrief 2.1 Functions: maps, points, VLT, Domain APP: 70/91 Ex 7, 8, 10	68/15-91 (x3)
	2.2 Graphs of Functions Domain & Range EX 2,3,4 Pairs: 75/3-10 APP: 78/32, 38	76/3-28, 29, 31, 34-39, 41,42 69/73,74,76,77
	2.3 Properties of Functions Even/Odd Ex 1-7 Pairs: 88/6-20	88/6-32, 33-60 (x3), 62, 63, 65, 69
	2.4 Linear Functions and Models APP: 94/Ex 2 Ex 3 Line of Best Fit: Ex 4 102/26	102/19-28, 31-33, 51, 52, 53
	2.5 Library of Functions Ex 1-4 APP Ex 4 Boards 115/30-40 ev Calculator Explore 117/57-64 (8 Groups)	Day 1: 115/29-46 Day 2: 115/9-28, 53, 54
	P/NP #2: Graphing, Domain & Range	
	2.6 Transformations Ex 1-6 126/1-18 Pairs: 127/19-26 128/35 ff exs, 65 ff, 75ff	126/1-30, 35-68 (x3), 69, 70, 75-84 (x3)
	Review & Test	Review: 140/3,4,9-12, 23,26,27, 29,30,32,37,41,47,55,61,66,67,71,72,81,91 145/1,5,6,7,8,11 147/15,19 Review Past Tests & Quizzes

Math Analysis Chapter 3 Assignments

Morgan

DAY	Description	Assignment
	Chap 2 Test Debrief 3.1 App: 159/Ex 8 Ex 1-6, 9,10, 12 (Quad Best Fit Line)	164/11-18, 19-61 (alt odds: 19, 25, 31...)
	3.2 Polynomials App: 185/98 Ex 1-6 Practice power f's End Behavior; Mult Zeros	182/11-22, 23-77 alt odds 91-95
	SKILL BUILD Long & Synthetic Division	983/5-42 (x3)
P/NP #3: Parabolas & Division		
	3.3 Rational Polynomials App: 197/54 Ex 1- Asymptotes: H, V, Slant/Oblique	196/11-28 29-51 o
	Skipping 3.4 & 3.5 3.6 Zeros & Polys Remainder, Zeros & Factor Theorems	231/11-35 o 39-54 (x3) 63-72 (x3)
	SKILL BUILD Complex Numbers & Conjugates	1008/9-81 (alt odds)
P/NP #4: Quadratic Solutions & Operations with Complex #s		
	3.7 Complex Zeros	237/1-6 7-40 (x3)
	Review & Test Chapter 3	

Review Assignments from page 240

Review I:

1-6
7,10,15,16
17, 20-22
27,28,30,3
1

34,35,39 41-44 67-70 78-80 86-88