

1. Expectations



a) Respect the rights of others.

- Only **ONE** person speaks at one time.
- No profanity or suggestive language/actions.
- Communicate with the teacher. Tell me in advance if you cannot fulfill your requirements.
- Contribute to the conversations and do not be afraid to make comments or ask questions.

b) Come prepared to learn and expect to be challenged.

- Expect daily assignments emphasizing knowledge application. Typically, examinations will be in word problem form, require “problem-solving” type solutions, and be either all or partially take-home.
- In all assignments, provide detailed, quality work. Remember to demonstrate your thought process by **SHOWING ALL WORK**. This is the largest part of your grade. Since neatness, organization, and presentation facilitate a logical thought process, these traits count for the remainder of your grade.
- Advanced courses may require computer projects utilizing MS EXCEL (Google Sheets), WORD (Google Docs), and/or Desmos or graphing applications.
- Calculators are typically required for tests or quizzes in Algebra 2 or higher courses. TI-84 calculators are available. Typically, students are permitted to use their laptop DESMOS in addition to a calculator on all assignments / exams.
- Bring required text(s), notebooks, and paper (no spiral) to every class. **USE PENCIL ONLY.**
- **Maintain a dedicated 3-ring binder / notebook for this course exclusively.** This binder must have dividers (for division by textbook modules) and will be graded periodically (about every 4 weeks). For non-AP courses, notebooks are usually permitted for quizzes and tests. Subsequent instructions (on page 3 of this packet) will provide specific instructions on how to organize your student notebook.
- Graded assignments must show all work, and answers must be **double underlined**.
- Students should legibly write their names on submitted assignments as follows:
LAST NAME, FIRST INITIAL. Example: Heinen, M.
- Expect to develop your public speaking skills. If feasible and selected at random, **ALL** students will orally present their homework assignments to the class using the whiteboard(s). Presentations are evaluated on both content and presentation.

2. Grading Scheme

Typically, grades will be computed and printed according to the scale shown below. This hard copy will be given to students ABOUT every 3-4 weeks to have signed by a parental unit. These paper grade reports should be signed by a parental unit and returned for a 10-point grade. Typically, I will enter into IC a minimum of two (2) graded assignments per week (usually quizzes). Students will also be provided with a course syllabus near the start of school, which will clarify instructional topics day by day as best I can predict. This syllabus packet should be included as part of their notebook. The syllabus along with general information will also be available online at my website:

www.markeredwards.com.

From time to time, students may be expected and encouraged to access **AP Classroom**, **textbook website(s)**, and / or my website (www.markeredwards.com) for syllabi, assignments, course description(s), problem / data sets, examples, special assignments, etc.

FJSHS Grading System SY 2026-27	Formative	Summative
	Boards, Quizzes, Homework, Notebooks/Binders, Grade Reports	Exams, Tests, Projects
Points per Assignment	10	100
Grades 11-12	20%	80%

3. Errors and Assistance

I am not perfect and will make mistakes. But I will endeavor to correct any errors and be absolutely fair and objective in my grading. I will do whatever it takes for you to be proficient in the material and pass the course/AP exam. I love mathematics, science, and engineering.

For assistance with homework, projects, etc., **contact me anywhere, anytime.**

- **My mobile = 719.429.1539.**
- **Personal e-mail: = mheinen_1@msn.com**
- **School email = mheinen@re-2.org**
- **Typically, I am available after school for additional instruction.**



The culmination of the AP experience is the College Board AP exam. Students are responsible for payment of any AP exam fees in October after test registration (exact amount TBD). Late registrations or cancellations after December 1, 2026 will be subject to an additional fee (not to exceed \$40). Please see Dr. Shapiro and counseling office for more information.

Student Signature: _____

Parent Signature: _____

Have this sheet signed and retained in your notebook. This page should be the first page of your notebook protected in a clear document protector.

Notebook / Binder Setup Instructions.

Heinen, M.

Put your name here on the top, inside corner.

Write your names on submitted papers:
Last name, First initial

ONLY math materials in this notebook.
No doodling on or in the notebook.

Nothing in notebook pockets when submitted for grade. Everything in its proper place within the dividers.

Heavy duty 3-ring binder 1.5 inches thick.
Professional color: black, gray, white, blue, dark green, etc. to be kept in perpetuity!

1	2	3	4	5	6	7	8	9	10	11	12		
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Class Handouts
Florence HS

Mr. Heinen Class
Print Date: 8/9/202



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- In all assignments, provide detailed, quality work. Remember to demonstrate your thought process by **SHOWING ALL WORK**. This is the largest part of your grade. Since neatness, organization, and presentation facilitate a logical thought process, these traits count for the remainder of your grade.
- Advanced courses will require rigorous computer projects utilizing MS EXCEL and/or Mathcad®, etc. applications.

First 3-6 pages in document protectors

* Graded assignments must show all work and answers must be double underlined

- Expect to develop your public speaking skills. Selected at random, **ALL** students will orally present their homework assignments to the class using the blackboard. This presentation will be graded for content and presentation.

1.50 in

KNOW the Greek Alphabet

- | | | | |
|-----------------|-------------|---------------|---------------|
| • Alpha - A α | Beta - B β | Gamma - Γ γ | Delta - Δ δ |
| • Epsilon - E ε | Zeta - Z ζ | Eta - H η | Theta - Θ θ |
| • Iota - I ι | Kappa - K κ | Lambda - Λ λ | Mu - M μ |
| • Nu - N ν | Xi - Ξ ξ | Omicron - O ο | Pi - Π π |
| • Rho - P ρ | Sigma - Σ σ | Tau - T τ | Upsilon - Υ υ |
| • Phi - Φ φ | Chi - Χ χ | Psi - Ψ ψ | Omega - Ω ω |



Problem Solving Steps

(tattoo these on your arm)



1. Read / Study / Investigate the Problem.
WHY?

2. Draw a sketch.

3. Define the variables on the sketch.

4. Write the equations or inequalities.

5. Solve the equations or inequalities.
GIVE THE ANSWER!

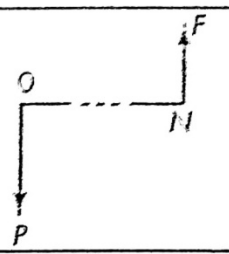
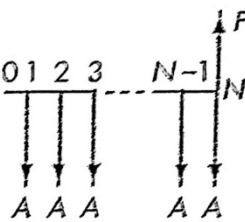
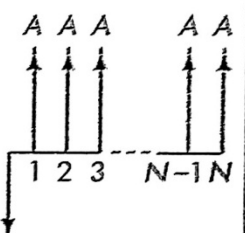
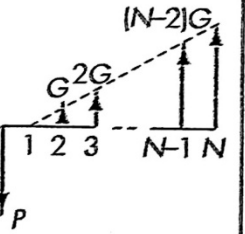
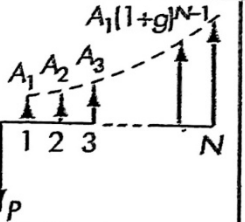
6. Check your work! – WHY??

\$300 per hour

\$20 per hour

Past, Present and Future Value of Money

Huskies remember the time value of money! Accept no substitute!

Flow Type	Factor Notation	Formula	Cash Flow Diagram	Factor Relationship
SINGULAR	Compound amount (F/P, i, N)	$F = P(1 + i)^N$		$(F/P, i, N) = (F/A, i, N) + 1$
	Present worth (P/F, i, N)	$P = F(1 + i)^{-N}$		$(P/F, i, N) = 1 - (P/A, i, N)i$
EQUALLY PAYMENT SERIES	Compound amount (F/A, i, N)	$F = A \left[\frac{(1 + i)^N - 1}{i} \right]$		$(A/F, i, N) = (A/P, i, N) - i$
	Sinking fund (A/F, i, N)	$A = F \left[\frac{i}{(1 + i)^N - 1} \right]$		
	Present worth (P/A, i, N)	$P = A \left[\frac{(1 + i)^N - 1}{i(1 + i)^N} \right]$		$(A/P, i, N) = \frac{i}{1 - (P/F, i, N)}$
	Capital recovery (A/P, i, N)	$A = P \left[\frac{i(1 + i)^N}{(1 + i)^N - 1} \right]$		
GRADIENT SERIES	Linear gradient Present worth (P/G, i, N)	$P = G \left[\frac{(1 + i)^N - iN - 1}{i^2(1 + i)^N} \right]$		$(F/G, i, N) = (P/G, i, N) (F/P, i, N)$ $(A/G, i, N) = (P/G, i, N) (A/P, i, N)$
	Geometric gradient Present worth (P/A ₁ , g, i, N)	$P = \begin{cases} A_1 \left[\frac{1 - (1 + g)^N(1 + i)^{-N}}{i - g} \right] \\ \frac{NA_1}{1 + i} \quad (\text{if } i = g) \end{cases}$		
				$(F/A_1, g, i, N) = (P/A_1, g, i, N) (F/P, i, N)$