

Please note that all grading of an 2nd Semester Alternate Final Exam is at the teacher's discretion as it is in place of the Actual Final Exam which can still be attempted and completed to potentially earn an "A" if the 2nd Semester Alternate Final Exam is insufficient. This includes a very hard set deadline of the end of your class period on Monday, June 6th. 2nd Semester Alternate Final Exams will not be accepted and cannot be worked on or improved after this deadline.

Additional resources are available via <http://mrbrianklee.weebly.com/>. If you have any questions or when you are ready to submit the assignment please contact Mr. Klee through his e-mail bklee@ccs.coloma.org.

Regardless of the type of 2nd Semester Alternate Final Exam chosen, several topics listed below must be clearly covered. Additional requirements for the 2nd Semester Final Exam will be listed after these topics.

Basic Content Guidelines:

Chapter 5 – Quadratic Functions

- Solving Quadratic Equations by Factoring
- Solving Quadratic Equations by Finding Square Roots or Completing the Square or the Quadratic Formula
- Applications of Quadratic Equations to solve Real-Life Problems

Chapter 7 – Radicals & Rational Exponents

- The Relationship between Radical Notation and Rational Exponents is clearly explained
- Simplifying Radicals by Factoring
- Solving Equations containing Radicals or Rational Exponents

Chapter 8 – Exponential & Logarithmic Functions

- Exponential Growth Functions and Exponential Decay Functions
- The Relationship between an Exponential Function and a Logarithmic Function
- Applications of Exponential Equations or Logarithmic Equations to solve Real-Life Problems

Chapter 9 – Rational Functions

- Graphing of Rational Functions and their key features
- Solving Rational Equations by Cross Multiplying or finding a Common Denominator
- Applications of Rational Equations to solve Real-Life Problems

Chapter 11 – Arithmetic & Geometric Sequences & Series

- Arithmetic and Geometric Sequences are clearly explained
- Recursive and Explicit Rules are clearly explained
- Applications of Arithmetic or Geometric Sequences or Series Sums to solve Real-Life Problems

Chapter 12 – Probability & Statistics

- Permutations and Combinations are clearly explained
- Compound, Mutually Exclusive and Complements are used to calculate probabilities
- Independent and Dependent Events are identified and used to calculate probabilities

Possible Alternate Final Exams and Requirements:

Additional consideration will be given to any of the following if submitted by Friday, June 3rd.

(60% to 65% Max Grade) Vocabulary Word Search - Individual

- At least 3 vocab words from each chapter must be included (see guidelines for words)
- An answer key must be provided
- Digitally created and shared material may receive additional consideration

(70% to 75% Max Grade) Vocabulary Cross Word Puzzle - Individual

- The definitions of at least 3 vocab words from each chapter must be included (see guidelines for words)
- An answer key must be provided
- Digitally created and shared material may receive additional consideration

(80% to 95% Max Grade) Create a Song – Groups of 5 or less students

- The song is recorded and shared with Mr. Klee (via e-mail or as posted on YouTube)
- At least two of the guidelines from each chapter must be clearly demonstrated through the lyrics
- Supporting visuals clearly and accurately support the content covered by the lyrics
- Outstanding beats and well-choreographed dances may receive additional consideration

(90% to 100% Max Grade) Create 6 Chapter Review Kahoots! – Pairs of 2 students or Individual

- Problems cover the guidelines from each chapter with correct answers and supporting work turned-in
- Problems have a range in difficulty and appropriate corresponding answer times (2 easy, 2 medium, 2 hard)
- Incorrect answer choices include commonly made mistakes or misconceptions
- At least 3 real-life “story problems” are included, each of which is from different chapters
- The use of supporting visuals or additional real-life “story problems” may receive additional consideration