

Math 3 Final Project

Due: June 2, 2017

- ❖ **10 points** will be deducted for the first day late, and then 10 points per day for each day after.
- ❖ *Bonus points* can be earned by presenting your scrapbook to the class the day it is due.
- ❖ Late scrapbooks cannot be presented for bonus points.
- ❖ Must be no smaller than 8.5" x 11"
- ❖ Can be done in digital format as a PowerPoint Presentation/Prezi, etc.
- ❖ Must include (at least):
 - Name
 - Title
 - Each unit must have a spread (at least a 4 page spread where 2 pages are facing each other) dedicated to its topic.
 - If PPT, then 4 slides must be done on each unit.
 - PPT slides should be creative, NOT bulleted lists!
 - Unit spreads should include:
 - Title of unit
 - Diagrams and/or Pictures related to the examples
 - Formulas
 - At least 2 Examples (word problems)
 - Comments/Reflections on material
- ❖ Scrapbook must be neat! Part of the grade will depend on neatness...
 - Typed or neatly handwritten
 - Organized by units (in order)
 - Not falling apart
 - No wet glue/paint
 - BE CREATIVE!!! Use...
 - Color
 - Stickers
 - Pictures
 - A theme throughout (optional)
 - Diagrams
 - Music (ppt)
 - Animations/Transitions (ppt)
- ❖ Include personal comments in the scrapbook. These should relate to the material or the class in general. Comments should be original, not canned or "cookie cutter" comments.
- ❖ Personal comments can be throughout the book mixed in to the different units, or can have one page/slide dedicated to them alone
- ❖ The project will count for 20% of your course grade.

UNITS COVERED:

Unit 1: Linear, Exponential, Logarithmic, Absolute Value, and Piece-wise Functions

- Linear Regression
- Solving Absolute Value Equations and Inequalities
- Solving Exponential and Logarithmic Equations

Unit 2: Quadratic, Polynomial, Radical, and Rational Functions

- Quadratic Equations
- Polynomial Equations
- Radical Equations
- Rational Equations

Unit 3: Trigonometry

- Circular Trig Functions
- Unit Circle Trig
- Trig Graphs

Unit 4: Systems of Equations and Inequalities

- Systems of Equations
- Linear Programming

Unit 5: Polygons and Solids

- Triangles
- Parallelograms
- Cylinders
- Cones
- Pyramids
- Prisms
- Spheres

Unit 6: Circles

- Circles

Unit 7: Statistics

- Central Tendency
- Statistics Project