FINAL PROJECT PART 1 - CHOOSING A TOPIC

For this project, you will be required to complete the following items:

(1) Research a math-related topic of your choice.
(2) Write a 2 to 3 page paper with a summary of your research.
(3) Deliver a 3 to 5 minute presentation based on your research.

For *this* part of the project, all you have to do is pick a topic.

1. Format

All project-related submissions must be typed. For online submissions, make sure that all text documents are in ODS, PDF, DOC, or DOCX format. Links to documents stored in a cloud will not be accepted.

2. Choosing The Topic

Do some research, and submit in writing three topics that you consider interesting, ranked in order of preference. You can find the list of pre-approved topics below. For each topic you choose, offer one paragraph describing what grabbed your interest.

When I grade this assignment, I will leave a comment telling you the topic for your paper. If I cannot assign you either one of your choices for some reason, some communication will be required in order for us to settle on a topic for you. Do not start writing your paper until I assigned you a topic!

3. Suggested Topics

3.1. **Mathematicians.**

Abel N
Agnesi M G
Agnesi M T
al-Khwarizmi
Apollonius
Archimedes
Aristotle
Babbage C
Bernoulli Jakob
Bernoulli Johann
Cantor G
Cardano G
Coperninus N
De Morgan A
Descartes R
Erdős P
Euler L
Fermat P
Fibonacci
Galileo G
Galois E
Gauss C
Gödel K
Hilbert D
Johnson K
Kepler J
Kronecker L
Lagrange J
Leibniz G
L'Hospital G
Lobachevsky N
Lovelace A
Mandelbrot B
Napier J
Nash J
Newton I
Noether E
Pascal B
Plato
Pólya G
Pythagoras
Ramanujan S
Riemann G
Russel B
Somerville M
Tartaglia N
Whitehead A
Wiles A

More topics on the next page!

3.2. **Other Topics.**

Approximations of π
Babylonian maths
Cardano/Tartaglia rivalry
Co-inventors of calculus
Common Core
Computers' role in math
Early Chinese maths
Early Hindu maths
Egyptian maths
Euclid's *Elements*
Fermat's Last theorem
Fibonacci sequence
Figurate numbers
Fractal geometry
Goldbach's conjecture
Golden ratio/section
History of Pythogorean Theorem
History of complex numbers
History of computing devices
History of probability theory
History of zero
Law enforcement and maths
Magic squares
Mathematical paradoxes
Music and maths
Pascal's triangle
Platonic solids
Plimpton 322
Pythagorean Brotherhood
Rhynd papyrus
Riemann Hypothesis
Search for large primes
Straightedge & compass constructions
The history of Algebra
Unsolved math problems
Women in mathematics

If you would rather research a completely different topic which does not appear in this list, consult with your instructor.