

Independent Study

Research A Famous Mathematician

Step 1: Choose one of the famous mathematicians listed below:

- | | | |
|-------------------|---------------|------------------------|
| ~Aristotle | ~Archimedes | ~Leonhard Euler |
| ~James C. Maxwell | ~Brahmagupta | ~Pierre de Fermat |
| ~Isaac Newton | ~Erik Demaine | ~Leonardo Fibonacci |
| ~Blaise Pascal | ~Euclid | ~Johann Carl Friedrich |

Step 2: Locate at least three credible and relevant sources to provide the following information:

- ~picture or image of mathematician
- ~year of birth and death
- ~early years of life and education
- ~significant accomplishments in Mathematics
- ~other important information relevant to Mathematics

Copying from a published source without properly citing that source is plagiarism and will result in a grade of zero for the assignment. The work will NOT be returned for corrections. If you have any questions about how to cite sources please ask Mr. Hilburt.

Step 3: Evaluate the credibility of your sources:

- ~how do you know your sources trustworthy?
- ~do the different sources provide the same information or are there differences?
- ~search engines (google, ask, etc.) are good places to start but are not sources
- ~the author of your source must be an expert in the history of mathematics
- ~wikipedia and Google are **NOT** credible sources
- ~web sites ending in *.edu* or *.gov* are generally credible
- ~you must provide the http of the **exact** page you used (not *www.math.com*)

Step 4: Apply your findings to what you already know about math concepts

- ~don't just simply state facts, explain how this information is used in the Math you know
- ~provide examples or illustrations if possible
- ~explain how what you learned can help you in future Math classes

Step 5: Prepare a presentation of your research findings

Choose from one of the following presentation options:

- 1) Typed paper
 - ~must be at least 1 page of informational text
(Times New-Roman, 12 font, double-spaced, 1" margins)
 - ~include a cover page with your name, mathematician, sources, and date
 - ~include a separate page for the picture/image of your mathematician
- 2) Power Point Presentation OR www.prezi.com
 - ~must include at least 6 slides of informational text
 - ~include an additional slide for the mathematician picture/image and sources
- 3) Tri-Fold display board (like a science fair project)
 - ~must be interesting and appealing (don't just tape print-outs to board)
 - ~include graphics, sources, and decorate your display
- 4) Role-Play or act out your mathematician
 - ~project one graphic on the Smart board (mathematician name, sources)
 - ~you will act out the rest
- 5) Personal choice: must be approved by Mr. Hilburt in advance