**Mathematician Research Project**

**OBJECTIVE:**

To research a notable mathematician and discover his/her contributions to modern mathematics.

**DIRECTIONS:**
1. Week One (4/27-5/1): Choose your mathematician from the attached list. Do research to learn about your mathematician, and complete the “Let Me Introduce You” form.
2. Week Two (5/4-5/8): Create a project to demonstrate your knowledge of the mathematician. Class time will be devoted to this, but some work will need to be completed at home.

3. Week Three (5/11-5/13): Present your project to the class.

**DESCRIPTION:**
All of the following projects must include all of the information from the “Let Me Introduce You” form. If you choose to do a PowerPoint presentation, it must be accompanied by one of these creative items:

* Mobile—Create a hanging mobile that tells the story of the mathematician’s life.  Each shape on the mobile should represent one part of the “Let Me Introduce You” research form.  Pictures or writing on each shape should explain important parts of the mathematician's biography.
* Oral Report—Dress up as the person you have chosen.  Tell your life story in a creative way using scenery and/or props.
* Puppet Show—Write a script featuring two or three scenes of interesting times in the mathematician’s life.  Include a narrator to fill in additional information.
* T.V. Show—Write a script and produce a T.V. show about the mathematician.  Sit-coms, quiz shows, and talk shows are ideas you might consider.  Costumes, scenery, and props will be needed.
* Collage—Use pictures, words, maps, and symbols to create a large collage about the mathematician.  Use this to give an oral presentation to the class.

**ASSESSMENT RUBRIC** (50 Total points):

* 20 points- Research & “Let Me Introduce You” form, due Friday 5/1
* 20 points- Quality & creativity of project, due Monday 5/11
* 10 points- Presentation to class, week of 5/11-5/13

**LIST OF FAMOUS MATHEMATICIANS:**

Archimedes

Aristotle

Bernoulli, Jacob

Brahmagupta

Cardano, Girolamo

Cavalieri, Bonaventura

Descartes, Rene

Erdos, Paul

Euclid

Euler, Leonhard

Fermat, Pierre de

Fibonacci, Leonardo

Galilei, Galileo

Galois, Evariste

Gauss, Carl

Germain, Sophie

Gregory, James

Hilbert, David

Hypatia

Kepler, Johannes

Lagrange, Joseph-Louis

Place, Pierre Simon de la

Leibniz, Gottfried

Napier, John

Newton, Sir Isaac

Noether, Amalie Emmy

Pascal, Blaise

Poincare, Henri

Ptolemy

Pythagoras

Ramanujan, Srinivasa

Riemann, Bernhard

Stevin, Simon

Tartaglia, Nicolo

Thales

Turing, Alan M.

Venn, John

Viete, Francois

Wallis, John

Wiles, Andrew

Or choose your own (with permission)

**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_                                                   Due Date: Friday, 5/1/2015**

**“LET ME INTRODUCE YOU”**

**Take notes on the following outline to research your mathematician. You can use additional sheets of paper.**

**A. Vital Statistics**

1.  Name:

2.  Lifespan (years alive):

3.  Birthplace:

4.  Age at Death:

**B. Three historic world events that occurred during his/her life** (wars, oppression, etc.)

1.

2.

3.

**C.  Education (schools attended)**:

**D. Marital and Family Status (married, kids):**

**E. Occupations (jobs)**:

**F. Three Contributions to Mathematics**

1.

2.

3.

**G. Three interesting events from his/her life**

1.

2.

3.