

March 14, 2019, Tuesday	May 15, 2019 Wednesday	+ Vancas
5) An object is projected into the air with a path descri- where h is the height above the ground in feet and along the path.		
a. Find the time the object changes direction. $t=3$	b. Find the maximum height of the object. $h = 304$	253 4.1
c. Describe the location of the object at 2.5 seconds.  h(2,5) = -16(2,5) + 96(2,5) + 16  When a quadratic expression consists of two perfethis quadratic can be factored using the Difference of the control of the con	ct square terms which are being subtracted, t	96(4.1)+160
		b)(a-b)
7) Completing the Square is a method for solving	vagrancs.	
8) Quadratic functions whose graphs open	have local minima	<b>L</b>
9) The Vorte X of a quad	lratic function always lies on the axis of symm	etry.
10) Write down examples of functions for each of the fa. linear increase b. exponential growth $y = 4 \times 43 \qquad y = 4(3) \times 4(3)$	Following:  c. linear decrease $y = \frac{-4x + 3}{x + 3}$ $y = \frac{4(.3)}{x + 3}$	decay L

http://www.thegreatmartinicompany.com/Math-Quick-Quiz/division-quiz.htm
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	Division Quiz		
1. 28 ÷ 4 =	11. 77 ÷ 7 =		
2. 48 ÷ 12 =	12. 108 ÷ 9 =		
3. 24 ÷ 6 =	13. 56 ÷ 7 =		
4. 48 ÷ 6 =	14. 32 ÷ 8 =		
5. 36 ÷ 9 =	15. 20 ÷ 4 =		

Famous Mathematicians selections: 12 ÷ 6 =

Pick 4 names of mathematics you would be interested in performing research on for the "Famous Mathematicians" project.—

Write the numbers 1-4 on your hand out and return to me! 6 = \_\_\_

16. 14 ÷ 2 = \_\_

## Famous Mathematicians

Brahmagupta Madhava

Carl Friedrich Gauss Pierre de Fermat
Charles Babbage Pythagoras
Diophantus Rene Descartes
Emmy Noether Sophie Germain

Euclid Thales

Fibonacci Benjamin Banneker
George Boole Charles Lewis Reason

Gottfried Leibniz Kelly Miller

Grace Murray Hopper Dudley Weldon Woodard

Isaac Newton Martha Euphemia Lofton Haynes

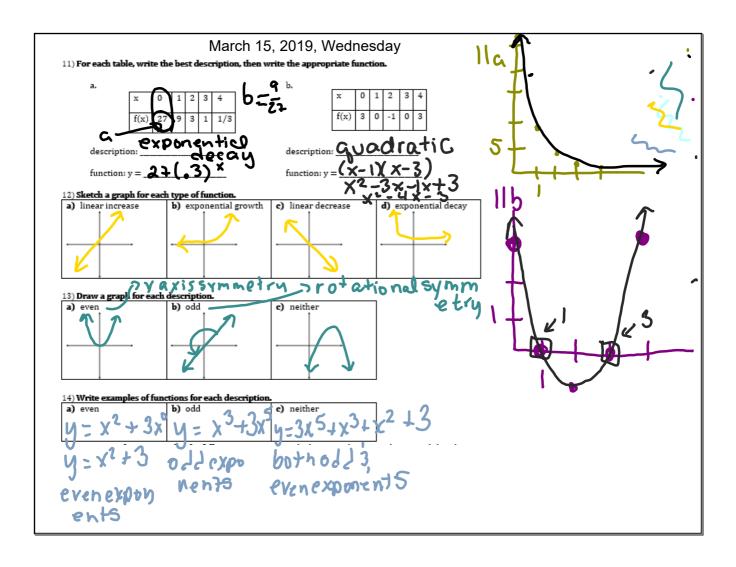
John von Neumann Elbert Frank Cox

John Wallis William Waldron Schieffelin

Julia Robinson Claytor

Leonhard Euler Marjorie Lee Browne
Luca Pacioli David Harold Blackwell

- 1) Select your top four name you are interested in learning more about.
- 2) I will (hopefully) choose one of your four to assign to you, so we can learn as about as many mathematicians as possible.



Assign Famous Mathematicians	

3) You will research the name you have been assigned to learn at least the following:

Date of birth

Date of death

Birthplace

Location lived as an adult

Where they died

**Picture** 

Family structure (parents, husband/wife, children, etc.)

What was this person's biggest contribution to the field of mathematics?

What are three interesting facts about this person (not included in the above information).

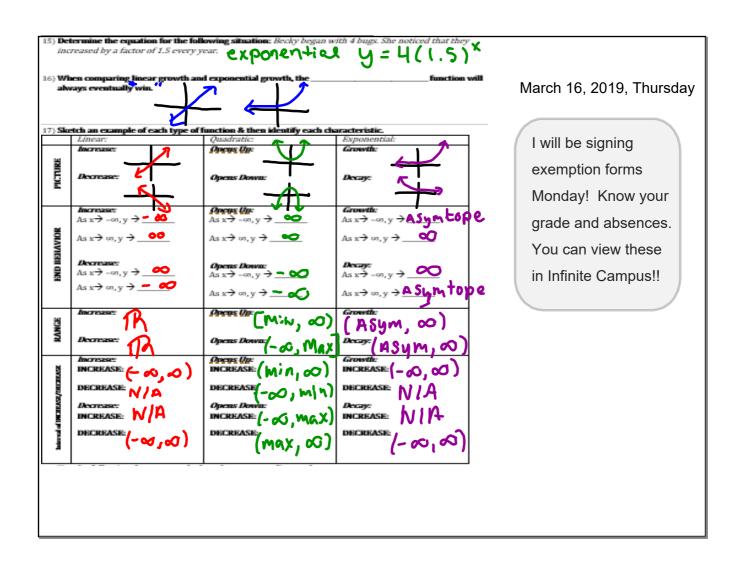
4) You may present your information in the form of:

PowerPoint Slides, these will have to be printed for display

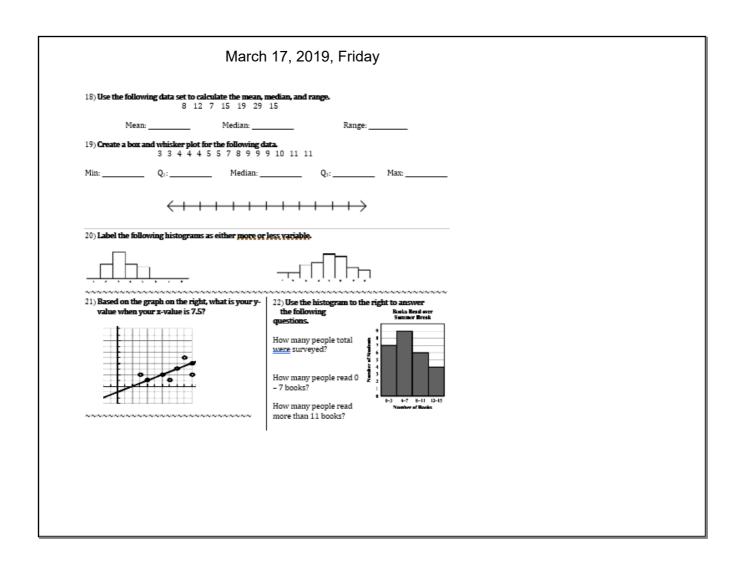
Word Documents, these will have to be printed for display

Legibly handwritten on large paper or multiple sheets

- \*\*Your work will be displayed for other to read about your mathematician, so make sure your work is neat.
- 5) When you have completed you research, see me, so we can find a place on the wall to display your work! Include your name visibly on each page displayed!



Display Famous Mathematicians



Amusement Park Project	