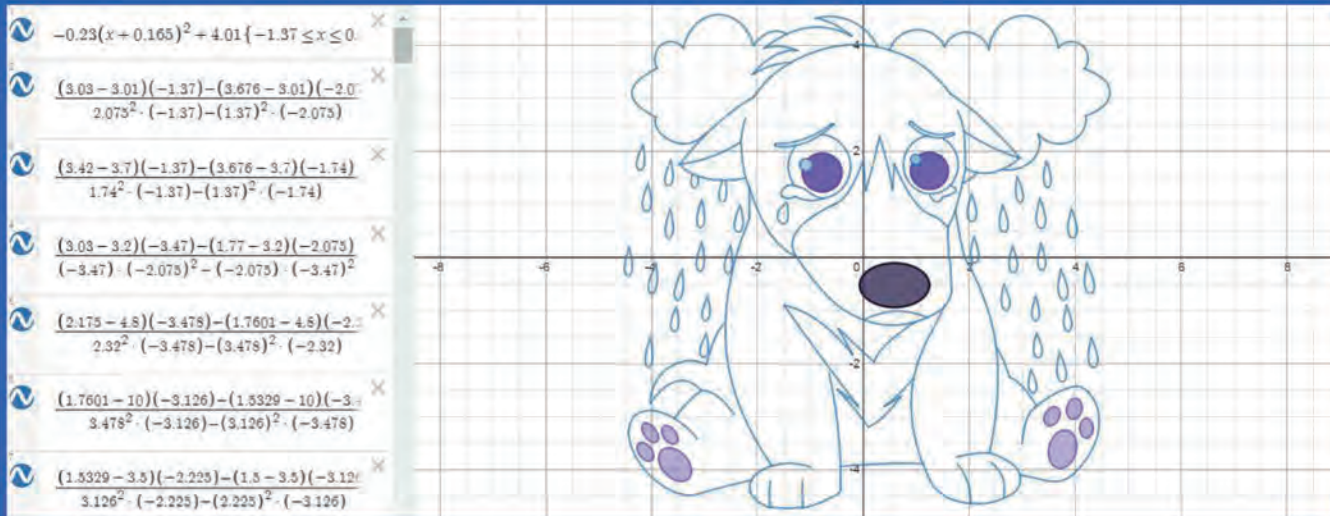
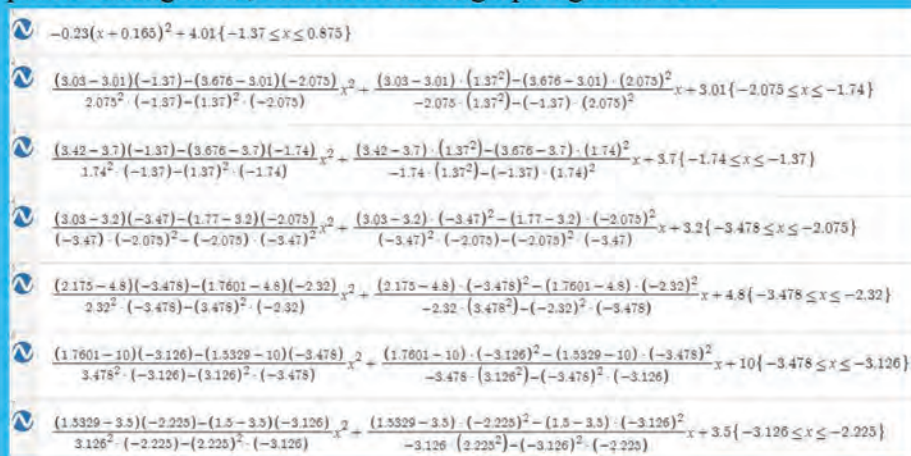


High school Student Draws a Dog with Math Graphing Calculator



Many students are not doing well in Mathematics. They think math is too difficult for them to understand and not very useful in real life. Although math is of central importance to modern society, some students still think it is not an interesting subject.

So when a high school student used 181 math functions to draw a cute crying dog and posted it on Facebook, it soon became viral. What made the picture so special is that it was not created with pens or photo editing tools, but with a math graphing calculator.

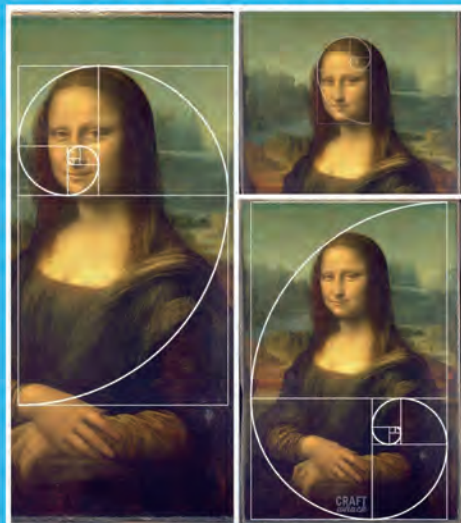


See his work:

<https://www.desmos.com/calculator/hstysidbtk>

Some of the student's 181 functions
Image adapted from: [Desmos](#)

According to the author Trung Thành Nguyễn, he came up with the idea for this work while in grade 8, and took a few years to devise and complete it.

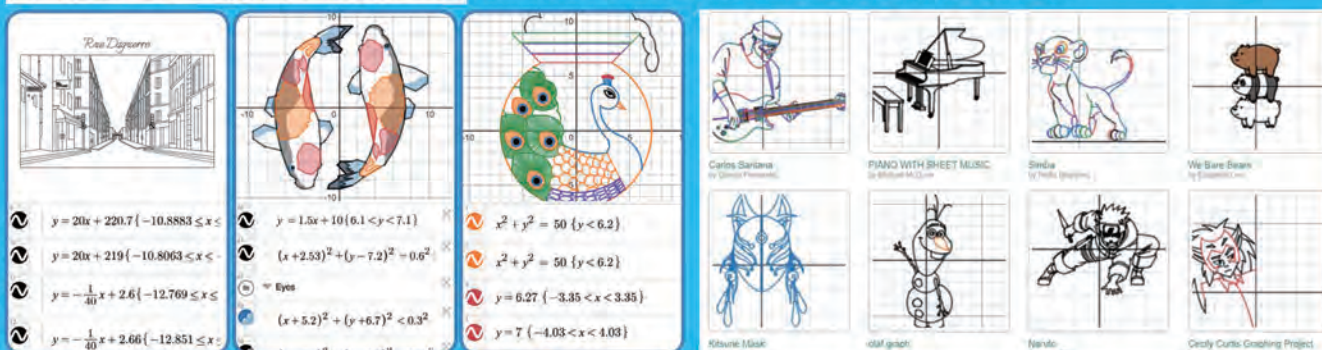


In fact, mathematics and art have a long historical relationship. Math is used to create art in multiple ways: symmetry, proportions, perspective, pattern... and art can reflect mathematical principles.



See Mona Lisa on Desmos

You can find more information on Desmos art at <https://www.desmos.com/art>. Actually there is a competition for students around the world to join. You will be amazed at how creative the students around the world can be!

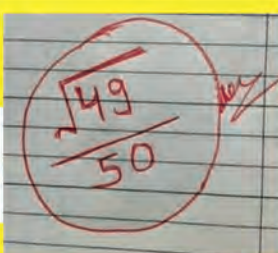


Try entering this at www.desmos.com/calculator

$$0.5 = \left(\cos(x) + \cos\left(y \sin\left(\frac{\pi}{5}\right) + x \cos\left(\frac{\pi}{5}\right)\right) + \cos\left(y \sin\left(\frac{2\pi}{5}\right) + x \cos\left(\frac{2\pi}{5}\right)\right) + \cos\left(y \sin\left(\frac{3\pi}{5}\right) + x \cos\left(\frac{3\pi}{5}\right)\right) + \cos\left(y \sin\left(\frac{4\pi}{5}\right) + x \cos\left(\frac{4\pi}{5}\right)\right) \right)$$

Fun Math

When a maths teacher doesnt want to hurt the feelings of students on announcing the maths results 🤔🤔



Math Photo: Watching Hexagons



Question with LOVE

$$\left\{ \begin{array}{l} 8 \ 5 \ 3 = 315 \\ 7 \ 6 \ 9 = 154 \\ 3 \ 2 \ 5 = 110 \\ 8 \ 3 \ 7 = \heartsuit \end{array} \right.$$

$$\heartsuit = ?$$

Beauty of Mathematics

$$\begin{array}{l} \frac{111}{1+1+1} = 37 \quad \frac{222}{2+2+2} = 37 \\ \frac{333}{3+3+3} = 37 \quad \frac{444}{4+4+4} = 37 \\ \frac{555}{5+5+5} = 37 \quad \frac{666}{6+6+6} = 37 \\ \frac{777}{7+7+7} = 37 \quad \frac{888}{8+8+8} = 37 \\ \frac{999}{9+9+9} = 37 \end{array}$$

$$8 - 3 = 5, 3 \times 7 = 21$$

$$3 - 2 = 1, 2 \times 5 = 10$$

$$7 - 6 = 1, 6 \times 9 = 54$$

$$8 - 5 = 3, 5 \times 3 = 15$$

Answer: 521

Which three digits can be used to form 520?

Interview with our New Math Teacher Mr. Wong



Mr. Wong Pui Fung joined YCHWWSSS last year. He studied in Canada and returned to Hong Kong after graduation.

Q : What is the difference between the mathematics curriculums in Canada and Hong Kong?

A : Compared with Hong Kong, the material covered in senior high schools in Canada is much more basic and simple. It does not go as deep and is not as tricky as the curriculum in Hong Kong. However, mathematics in Canadian universities is much more difficult.

Q : How do you feel about the students in our school?

A : Our students behave well and are disciplined in class. The learning attitude of our students is good too, pretty much in line with my expectations.

Q : Why do you want to be a math teacher?

A : I studied statistics and majored economics at university. I think mathematics is very useful in solving many everyday life problems. Statistics, in particular, can be used to analyse many practical problems. After studying science in high school, I felt that mathematics is the basis of all sciences. Many discoveries are based on mathematical analysis and development. Math is very important for our lives.

Q : Why do you think math is interesting?

A : I think mathematics can tell us the truth about everything of the universe. It has existed since the birth of the universe. Therefore, many disciplines and phenomena require mathematical reasoning, which is very fascinating.

Thank you Mr Wong for your time.

Futoshiki

The aim of Futoshiki is to place the numbers 1 to 5 (the size of the grid) into each row and column of the puzzle so that no number is repeated in a row or column and so that all of the inequality signs (< and >) are obeyed.

Example :

	3	2	
2	4		>

Solution :

1	3	2	4
2	4	3	> 1
3	1	4	2
4	2	1	3

Let's try !

2		<		4
✓			^	^
		<		
		>	4	
		^	✓	

				2
	✓	✓	✓	
		<		
✓			^	
				<
^				✓
	>		4	
	>			>

Answers :

3	<	5	4	1	<	2
1	4	2	3	<	5	3
4	>	2	1	5	3	3
5	1	3	<	2	4	1
2	3	5	4	1	5	2

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Special thanks: Mr. WONG Pui Fung



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