

Good afternoon

Warm up (do this in your notebooks)



No Calculator

$$9 - \left( \frac{2 - |5 - 3| + 2(6 - 1^2)}{\frac{\sqrt{18 - 2}}{2}} \right)^2$$

$$9 - \left( \frac{2 - |2| + 2(5)}{\frac{\sqrt{6} 4}{2}} \right)^2$$

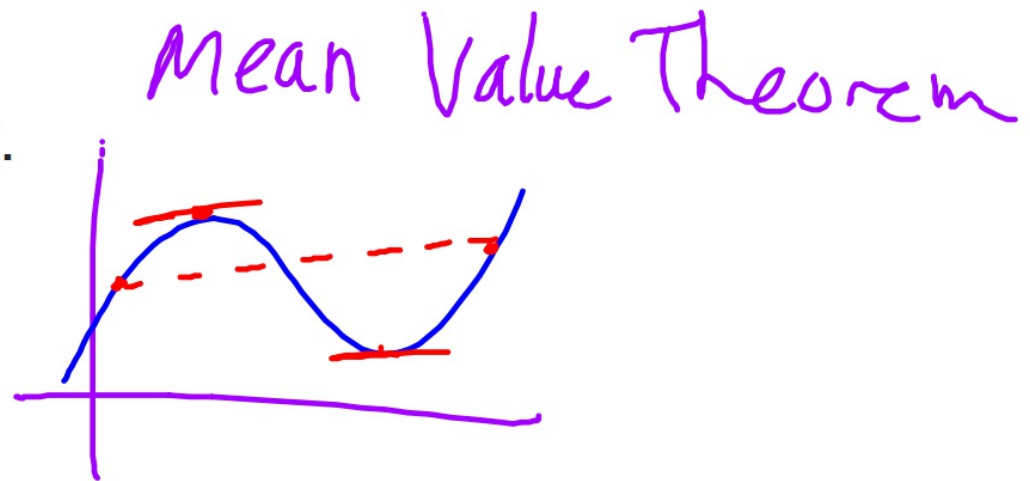
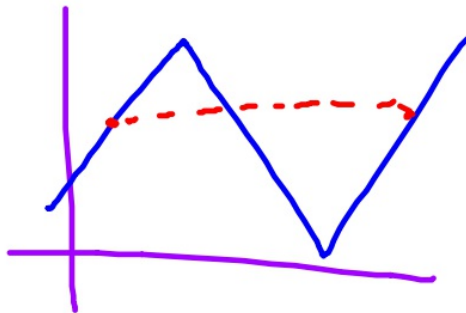
$$9 - \left( \frac{2 - 2 + 10}{\frac{4}{2} 2} \right)^2$$

$$9 - \left( \frac{10}{2} \right)^2 \Rightarrow 9 - 25 = -16$$

2nd warm up :)

Your car enters a toll highway at 1pm. The highway stretches for 120 miles and has a speed limit of 55mph. You come to the toll booth at the end of the highway at 3pm and are handed a speeding ticket.

Why? Explain your reasoning.

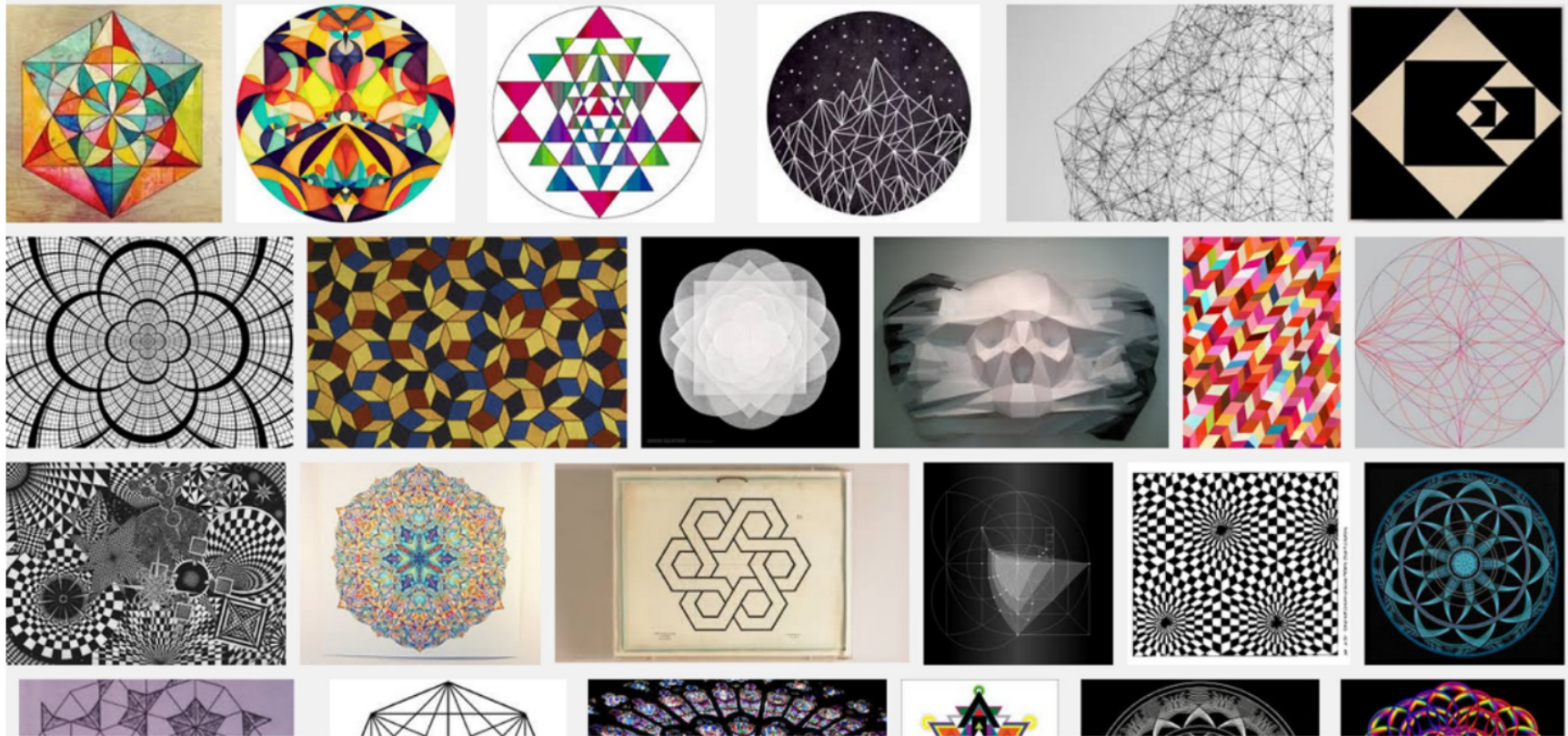


Syllabus/Grading System/Website

Google Classroom: t6vj852  
(not sure what to use it for yet)

default pw: *ccastudent*

# Math is an art.



$A =$   
 $S = 6$   
 $X =$   
 $Z =$   
 $V_1 =$   
 $V_2 =$   
 $V_3 =$   
 $V_4 =$   
 $V_5 =$   
 $V_6 =$   
 $V_7 =$   
 $V_8 =$   
 $V_9 =$   
 $V_{10} =$   
 $V_{11} =$   
 $V_{12} =$   
 $V_{13} =$   
 $V_{14} =$   
 $V_{15} =$   
 $V_{16} =$   
 $V_{17} =$   
 $V_{18} =$   
 $V_{19} =$   
 $V_{20} =$   
 $V_{21} =$   
 $V_{22} =$   
 $V_{23} =$   
 $V_{24} =$   
 $V_{25} =$   
 $V_{26} =$   
 $V_{27} =$   
 $V_{28} =$   
 $V_{29} =$   
 $V_{30} =$   
 $V_{31} =$   
 $V_{32} =$   
 $V_{33} =$   
 $V_{34} =$   
 $V_{35} =$   
 $V_{36} =$   
 $V_{37} =$   
 $V_{38} =$   
 $V_{39} =$   
 $V_{40} =$   
 $V_{41} =$   
 $V_{42} =$   
 $V_{43} =$   
 $V_{44} =$   
 $V_{45} =$   
 $V_{46} =$   
 $V_{47} =$   
 $V_{48} =$   
 $V_{49} =$   
 $V_{50} =$

## Think back to our brain exercises...

What skills did they require?

Creativity

Collaboration

Imagination

Practice

Perseverance

Communication

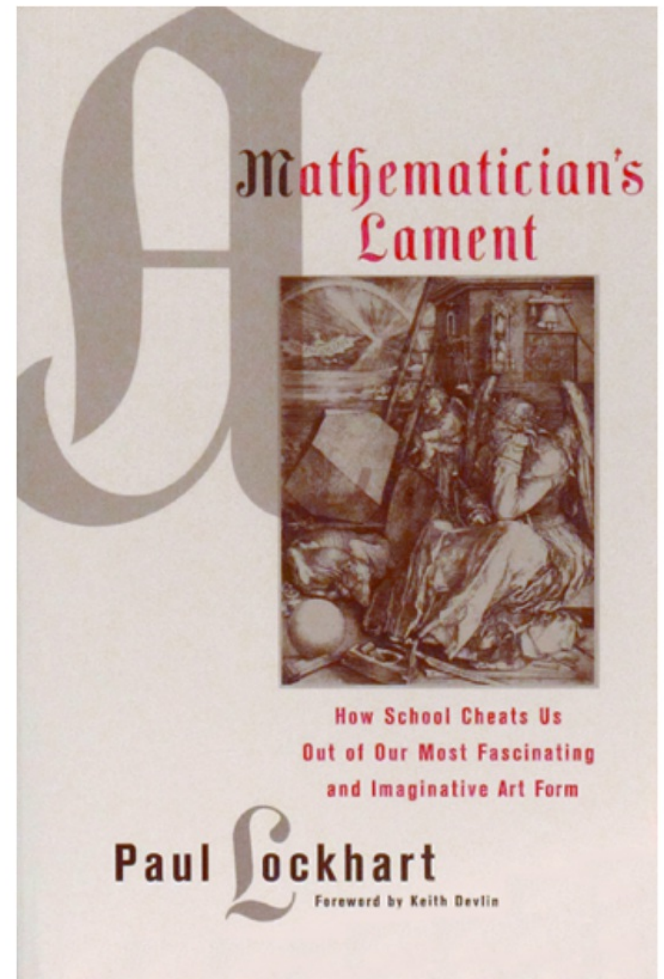
Visualization

Critique and Debate

Curiosity

# “A Mathematician’s Lament”

- ❖ What is a lament?
- ❖ Dr. Paul Lockhart
- ❖ Ivy League math professor
- ❖ Quit teaching university
- ❖ Reforming math education



## Homework

- Read "A Mathematician's Lament" excerpt
- Pay \$5 math fee online if possible or bring cash/check
- Have a notebook/supplies ready for next class