

Project Day - MAY 29

Measurement - your house

draw out floor plan of your

choose - a scale house  
- metric or imperial

Kitchen  
dining room  
3 bedrooms  
2 bathrooms  
family room  
garage

For each room, find the  
perimeter and the area  
and the total  
square area

Find the total square area  
of the property

Find the volume :

house water heater

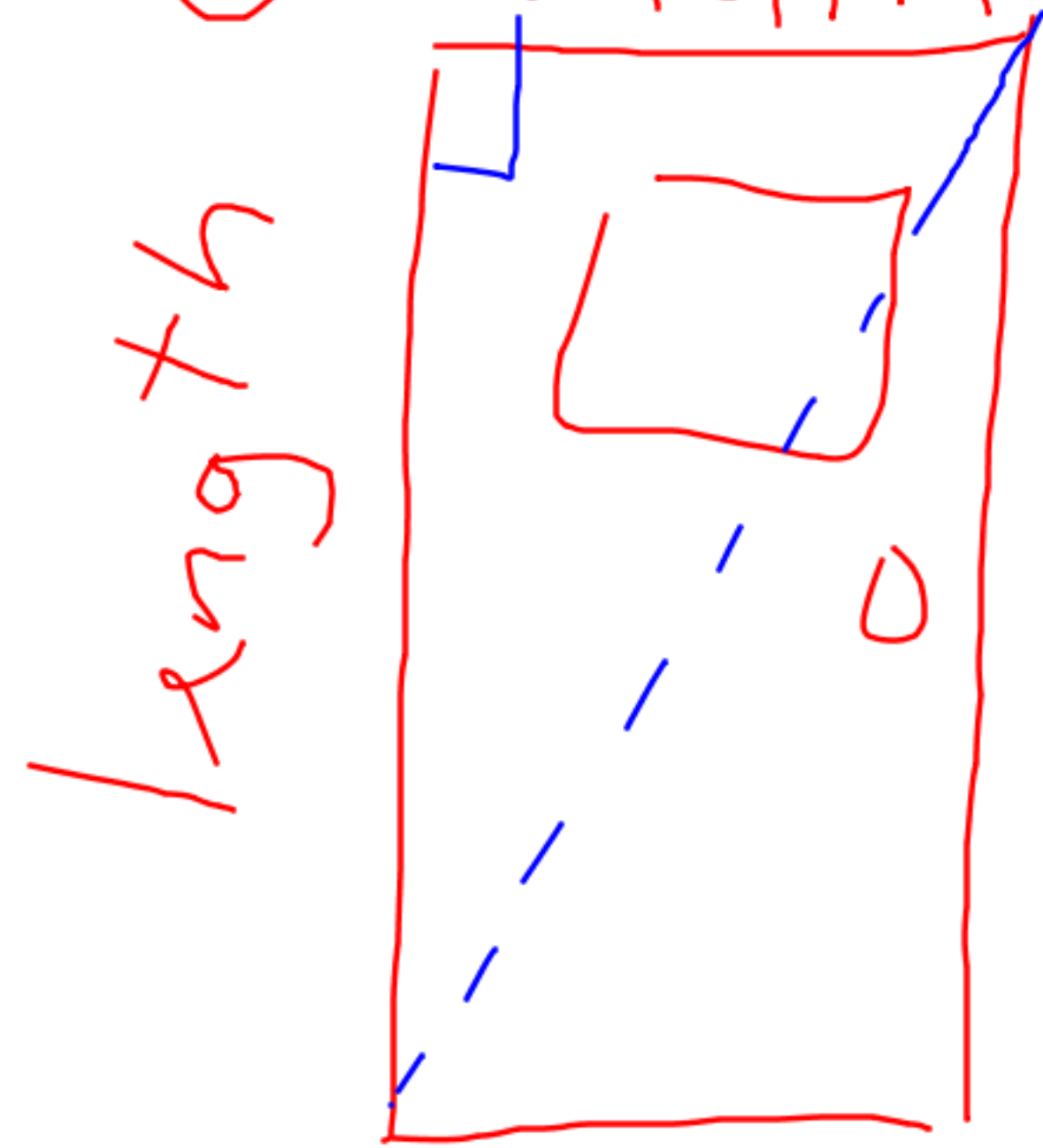
volume of your  
refrigerator  
or freezer

and your microwave

Trigonometry

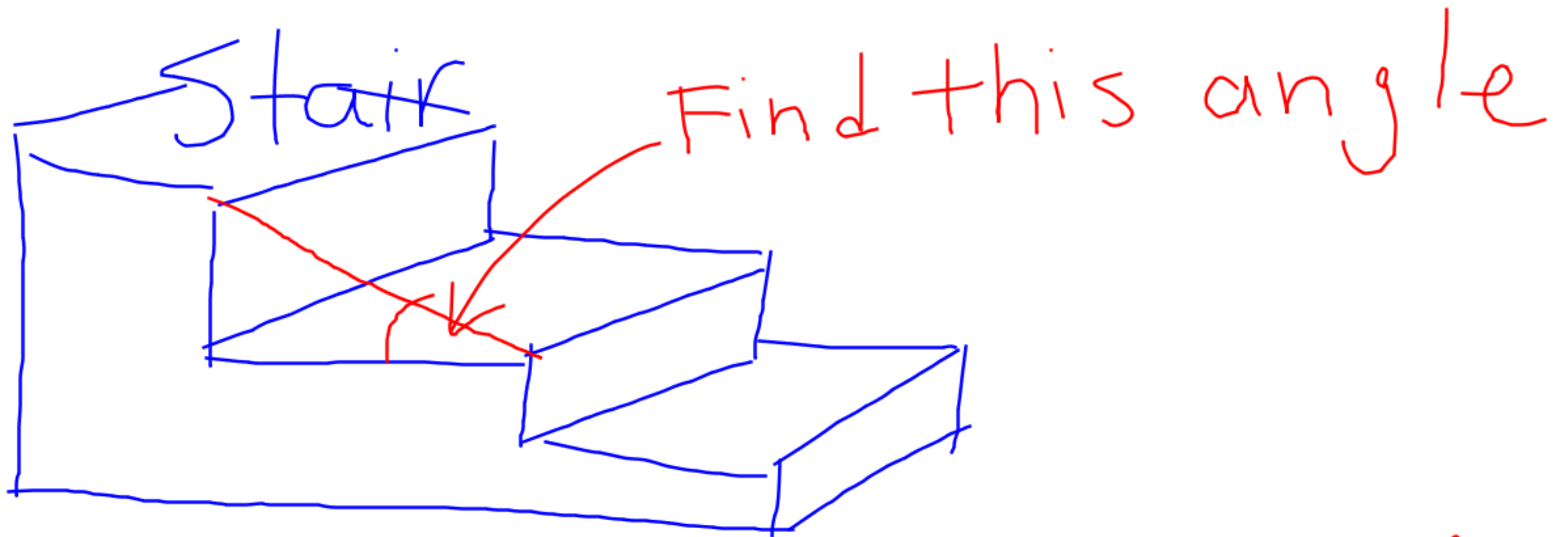
L.S.

R.S.



$$a^2 + b^2$$

$$c^2$$



Bonus marks: Find out if  
your staircase meets  
approval (is up to  
building code)

# Quadratics

- find an example of a parabola in the house.

- window

- something on the wall

- archway / doorway

- light fixture?

Take a picture of it

Measure the distance between

Find the axis of symmetry the zeroes

Measure height to minimum or maximum

We will figure out the equation of each parabola

1. - review, working with shapes  
- practical
  2. Friday: 4-6 hours  
- log your time in a journal  
and what you accomplished
  3. Take pictures
  4. Minimum 8 rooms + garage
- Bring all completed work  
to school on Monday.

# Presentation

- 5 minutes
- choose the most interesting parts to share
- in the presentation, show the math!