

HOMework

Question 1

- Consider the following 3 axioms:
 - *There are 5 flavors of ice cream: Vanilla, Chocolate, Strawberry, Bubble Gum and Cookie Dough.*
 - *Given any 2 flavors, there is one child who likes these 2 flavors.*
 - *Every child likes exactly two different flavors among the five.*
- Use these axioms to determine how many kids there are. Show the logic behind your work and also show that your result satisfies each of the axioms.

Question 2

- Use the concepts discussed in class to determine the height of the highest point of Richardson Hall from the ground.



- The only tools you are allowed to use are a pencil and a 12inch ruler.
- Explain your thought process and show all calculations. Include all the ideas that you thought of, even if you did not try them out.