Math 5710

Thursday, 7/09/20

Quiz 13

1. What is your name?

Brock Francom

- 2. Following is our definition of a combination of a finite set:
  - 34-E. Definition of a combination of a finite set:

Given  $A \in \{ \text{ finite sets } \} \land n, r \in \omega \land r \le n \land |A| = n,$  (( A combination of r on A) =  $B \Leftrightarrow B \subseteq A \ni |B| = r$ )

A Is this definition compatible with your concept of a combination? Indicate your response by circling one of the following words:



"No"

B. Write a paragraph that explains why you circled "Yes" or why you circled "No."

Class about B being a subset of A. That means that all the "duplicates" created from a permutation would be eliminated. For example \$\frac{21}{23},\frac{22}{13}\frac{3}{22},\frac{13}{3}\frac{3}{22},\frac{13}{3}\frac{3}{22},\frac{13}{3}\frac{3}{22},\frac{13}{3}\frac{1}{23}\frac{3}{22},\frac{13}{23}\frac{1}{23}\frac{3}{22},\frac{13}{23}\frac{1}{23}\frac{

3. Smile.