Brock Francom
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Math 5710 Wednesday, 7/08/20 Quiz 12

1. What is your name?

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2. Following is our definition of a *permutation* of a finite set:

   34-B. Definition of a *permutation* of a finite set:

   $$\text{Given } A \in \{ \text{ finite sets } \}, (f \in \{ \text{ permutations of } A \} \leftrightarrow f : A \underset{\text{onto}}{\overset{1:1}{\rightarrow}} A)$$

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

   ("Yes") "No"

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

It took me a while to wrap my head around it, but it makes sense. The example we did in class with 4 people sitting together helped me to see how this definition worked. It is a more abstract definition but it does make sense when you diagram out your sets so that you can see exactly what it means. For more complex problems, I still prefer just using the memorized formulas, but this helps me to understand the concept better.

3. Smile.