MATH220: Discrete Structures

Spring 2024

In-class Activity 02: Sets, Functions, Counting

Assignment is DUE as indicated on the course schedule. This assignment is designed to be completed in class.

*This is a **group assignment**. Split into 4 groups, and submit as a group on Gradescope.*

Notes

Your final submission must be readable. It is your responsibility to write up your answers in a way that is easy to read and follow.

Task

We will collectively create flashcards reviewing Sets, Functions, and Counting using Quizlet. Join our class on Quizlet using this link: https://quizlet.com/join/dQkA2QGzg

Go to the "Sets, Functions, Counting" set and click edit (https://quizlet.com/888019768/edit). On this page you will see two examples of flashcards.

Your task is to work with your group to generate 10 flashcards for your assigned topic. Your flashcards should be a mix of definitions and practice problems (at least 5 practice problems). Practice problems can be from the book, but cannot be exact repeats of problems covered in class.

Record which flashcards you contributed (as a group) in a word doc, save it as a PDF, and submit it on Gradescope as a group. Part of your grade for this assignment will be your flashcard contributions.

Once we have all groups' flashcards, we will play a review game with them in class. Your grade will reflect your participation and showing an honest effort in the review game. There will also be prizes.

Submission

Submit on Gradescope. Remember to tag your groupmates!

Rubric

	Missing / Not Complete (0)	Approaching (2)	Meets (4)	Exceeds (5)
Readability	Assignment is unreadable or not submitted.	Assignment includes formatting, but significant improvements could be made. For example, clear labeling of problems and subparts, proofreading.	Assignment includes formatting, but minor improvements could be made. For example, clear labeling of problems and subparts, proofreading.	Assignment is well formatted and easy to read. Text has been proofread.
Completeness	Less than half of assignment is attempted.	Roughly half of assignment has been attempted. On the problems that have been completed, effort is evident. OR All of the assignment has been attempted, but effort is not evident in many parts.	At least 80% of assignment has been attempted. On the problems that have been completed, effort is evident. OR All of the assignment has been attempted, but effort is not evident a few parts.	All of the assignment has been attempted, and effort evident throughout.
Correctness	All answers are incorrect or missing.	Of the complete problems, at least half have been approached and completed correctly.	Of the complete problems, at least 80% have been approached and completed correctly.	All complete problems are approached and completed correctly.