Name:

MATH 308 Fall 2023

HW 15: Due 11/10

"One reason why Combinatorics has been slow to become accepted as part of mainstream Mathematics is the common belief that it consists of a bag of isolated tricks, a number of areas... with little or no connexion between them. We shall see that they have numerous threads weaving them together into a beautifully patterned tapestry."

-Richard K. Guy

Problem 1. (10pt)