## MATH 113: DISCRETE STRUCTURES WEDNESDAY WEEK 1 HANDOUT

Question 1. In how many distinct ways can the letters in the word MISSISSIPPI be arranged?
Question 2 (Monotonic paths, redux). In how many distinct ways can $n-1$ R's and $k-1$ U's be arranged? What does this have to do with monotonic paths on an $n \times k$ grid?

