Name:	
Email:	

Math Club: Biweekly Contest Week Three

Release Date: September 27, 2023

**Instructions:** Solve the following problem as best you can. The first student to submit the correct solution via email to tamumathcontest@gmail.com or to Jeremy Kubiak in Blocker 336D (with time stamp) wins!

**Problem 1.** Let a, b, c, d, e be a permutation of the set  $\{1, 2, 3, 4, 5\}$  (without repetition). Find the number of permutations such that a < b > c < d > e or a > b < c > d < e.