

MATH 1340, HOMEWORK #4

DUE THURSDAY, MARCH 2

Please *show your work* in the problems that require calculations. For the short answer questions, write in complete sentences. All assertions must be justified to get full credit.

0. (For participation credit.) Answer the response question on Piazza. This time, feel free to either submit your own response or respond to a classmate's response (or both).
1. [TP 1.23] The Coombs system.
2. [TP 1.33] The 1995 World Figure Skating Championship and the Best of Majority (BOM) method.
3. [TP 2.20] M-swap robustness
4. [TP 2.27] Example of Swap robust vs. Trade Robust
5. [TP 2.29]
6. [Permutations and Combinations Practice] Getting the correct answer is most important here, but please be sure to justify why it is the correct answer.
 - (a) [TP 3.1] and [TP 3.2]
 - (b) [TP 3.3]
 - (c) [TP 3.4] and [TP 3.5]
 - (d) [TP 3.6]
 - (e) [TP 3.7]