Worksheet #7
The Monotonicity Fairness Criterion
September 12, 2018
2 Points

Circle one name.

Name: _____ **Name:** _____ **Name:** _____

The Monotonicity Fairness Criterion states that giving the winner some more first-place votes by taking some ballots and moving the winner up (without shuffling the other candidates) should not now make the winner lose.

1. True or false: The Plurality Method satisfies the Monotonicity Fairness Criterion. If true, explain why. If false, create an example of a preference schedule for which there is a way to give the winner some more first-place votes by taking some ballots and moving the winner up (without shuffling the other candidates) with the result that the winner now loses.

2. True or false: The Borda Method satisfies the Monotonicity Fairness Criterion. If true, explain why. If false, create an example of a preference schedule for which there is a way to give the winner some more first-place votes by taking some ballots and moving the winner up (without shuffling the other candidates) with the result that the winner now loses.

3. True or false: The Plurality with Elimination Method satisfies the Monotonicity Fairness Criterion. If true, explain why. If false, create an example of a preference schedule for which there is a way to give the winner some more first-place votes by taking some ballots and moving the winner up (without shuffling the other candidates) with the result that the winner now loses.

4. True or false: The Pairwise Comparison Method satisfies the Monotonicity Fairness Criterion. If true, explain why. If false, create an example of a preference schedule for which there is a way to give the winner some more first-place votes by taking some ballots and moving the winner up (without shuffling the other candidates) with the result that the winner now loses..