

Quiz 1A, Math of Democracy

Fall 2018, Dr. Adam Graham-Squire

Name: _____

1. Given the following preference schedule, find the winner of the election using each of the following five methods: Plurality, Top-two run-off, Instant runoff, Pairwise Comparison, and Borda Count.

You should show/explain your work/reasoning for each method.

Number of voters	14	10	8	4	1
1st choice	A	C	D	B	C
2nd choice	B	B	C	D	D
3rd choice	C	D	B	C	B
4th choice	D	A	A	A	A

2. Given the results from above, which candidate do you think should be the winner of the election? Explain your reasoning.