

Name:

Date: Friday, October 7, 2016

MATH 181 F1 Quiz #6

Directions: You have 15 minutes for this quiz. Please write clearly and justify your answers.

Question 1 (4 points): Consider the following election with 4 candidates.

	Voter 1	Voter 2
1st	B	A
2nd	C	D
3rd	A	C
4th	D	B

Show how Voter 1 can manipulate a Borda count.

Question 2 (4 points): Use the following election to show the Borda count is manipulable for 4 candidates and three voters.

	Voter 1	Voter 2	Voter 3
1st	A	B	B
2nd	B	A	A
3rd	C	C	C
4th	D	D	D

Question 3 (2 points): Show the Borda count is manipulable for 4 candidates and five voters.