

**Instructions:** Do the reading, then go through the questions, think about them, referring back to the reading when necessary, and write short answers (ranging between 1-2 sentences and couple paragraphs) for each. (If you feel you addressed one question in an answer to another, feel free just to refer to that.) Turn in your answers on the day the reading is due. You may discuss these questions with others but all answers should be written in your words (though you may use occasional quotes).

**To be turned in:**

1. What are your overall thoughts on Chapter 17?
2. Let's say the struggling 1970's food chain Jill-in-the-Ball has two sizes of soft drinks, 12oz and 16oz, which are equally popular. To appeal to more customers, they start offering a 20oz size as well, and find that  $1/3$  of the customers buy each size, even though their customer base hasn't really changed. Can this, or should this, be explained by the Borda count?
3. Consider an election with 3 candidates on the ballot. Which system do you think is best, and why: counting only first choice votes, using Borda count, or instant runoffs? (rank in order of preference)
4. Can you think how to modify the head-to-head system of voting that would make reasonable decisions in the final (hypothetical) Montroll-Kiss-Wright example (the Condorcet paradox)? If so, does this system seem more fair to you than the three methods in the previous paragraph?
5. Let's say that state ballot tallies for a general election are 95% accurate. (Back in olden days, when all the votes were counted by hand, official vote tallies were probably off a fair amount—this happens still in some places.) Is there a difference between the accuracy of deciding winners for presidential elections using the popular vote versus the electoral vote?