Discrete Math 1.1-1.3 Review

Name: _____ Date: _____

Period: ____





- a. Who is the plurality winner?
- b. Who is the winner by the runoff method?
- c. Who is the winner by the sequential runoff method?
- d. Who is the winner by the Borda count method?
- e. Who is the winner by the Condorcet method?
- f. Who is the majority winner?

2. Consider the following preference schedules for an election.



- a. Who is the plurality winner?
- b. Who is the winner by the runoff method?
- c. Who is the winner by the sequential runoff method?
- d. Who is the winner by the Borda count method?
- e. Who is the winner by the Condorcet method?

- 3. An election is held among four candidates A, B, C, and D using the Borda count method. There are 37 voters. Suppose that after the ballots are in and the points tallied, A gets 79 points, B gets 106 points, and C gets 81 points. Who is the Borda count winner? Show your work to prove your answer.
- 4. Show / Explain how each of the choices A, B, and C could each win if the method of pairwise voting was used.

