$\qquad$
$\qquad$ Period: $\qquad$

1. Consider the following preference schedules for an election.

| $A$ |
| :--- |
| E |
| $\mathrm{C}-$ |
| $\mathrm{C}-$ |
| $\mathrm{D}-$ |
| B |



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.
$A$
A
D
C
E
B
B
F
12

$C f$
$D-$
$B-$
$E-$
$A-$
9
$E f$
$D-$
$C-$
$B-$
$A-$
8
$A \uparrow$
$E-1$
$D-1$
$C-1$
5
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.


7
$B f$
$C-f$
7

