Print all group member's names here. Circle the name of the group member who will turn this in.

- 1. An election is held with the results shown:
- (a) Is there a Majority Candidate? If so, who? If not, why not?

	12	2	7	6	9
1 st	Α	O	D	В	C
2 nd	В	D	С	D	В
3^{rd}	С	В	В	С	D
4 th	D	Α	Α	Α	Α

(b) Which Candidate wins if the Pairwise Comparison Method is used? Show all the pairs, and give the pairwise points.

(c) Is there a Condorcet candidate? If so, who? If not, why not? (How many pairwise points are required to be a Condorcet candidate in this election?)

- 2. Construct an example of an election that has **100 voters** and four candidates: Cyberman (C), Dalek (D), the Sontaran (S), and Weeping Angel (W).
 - a. The Cyberman is a majority candidate, and the Weeping Angel wins using Borda count. (Show how many Borda points both of these have.)

b. The Dalek wins using the plurality method, but is not a majority candidate.

c. The Dalek wins using plurality, but the Sontaran wins using plurality with elimination.