Print all group member's names here (first and last names). Circle the name of the group member who will collect this.

| An election has five candidates (River, Malcom, Kaylee, Jayne and Simon) and | $1^{\text {st }}$ | 15 | 10 | 30 | 15 |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | R | M | J | K |
| 70 voters. | $2^{\text {nd }}$ | M | K | K | M |
|  | $3^{\text {rd }}$ | K | S | R | R |
| 1. How many $1^{\text {st }}$ place votes are needed for a majority? Is there a | $4^{\text {th }}$ | J | J | M | J |
| majority candidate? (If so, who?) | $5^{\text {th }}$ | S | R | S | S |

2. If we use the Plurality with Elimination method, who is eliminated first, if anyone? Who is eliminated $2^{\text {nd }}$, if anyone?
3. If we use the Borda Count method, how many Borda points does Malcom get? (show the calculation just for Malcolm. You don't need to do the others.)

An election has four candidates (Susan, Delenn, Londo and G'Kar).
4. How many voters were in this election?

|  | 9 | 8 | 3 |
| :--- | :--- | :--- | :--- |
| $1^{\text {st }}$ | S | D | L |
| $2^{\text {nd }}$ | D | G | G |
| $3^{\text {rd }}$ | L | L | $D$ |
| $4^{\text {th }}$ | $G$ | $S$ | $S$ |

5. If we use the Method of Pairwise Comparisons, how many Pairwise Points will Londo get? (Show all the pairs involving Londo. If you have time, finish the method of Pairwise comparisons.)
