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1. Each year, the Secondary V students in a school must elect a student council representative. This year, there are four candidates: Alex, Bianca, Chris, and Darlene.

The results of the votes cast by 168 students are summarized below in order of preference

|  | $\mathbf{5 4}$ | $\mathbf{4 7}$ | $\mathbf{6 7}$ | $\mathbf{2 0}$ |
| ---: | :---: | :---: | :---: | :---: |
| $1^{\text {st }}$ choice | Bianca | Darlene | Chris | Alex |
| $2^{\text {nd }}$ choice | Alex | Bianca | Alex | Chris |
| $3^{\text {rd }}$ choice | Chris | Alex | Darlene | Bianca |
| $4^{\text {th }}$ choice | Darlene | Chris | Bianca | Darlene |

Which candidate is the winner:
a) Using plurality?
b) Using majority?
c) Using majority with elimination?
2. The results of a vote are given in the table below.

|  | $\mathbf{1 4 0}$ | $\mathbf{9 0}$ | $\mathbf{5}$ | $\mathbf{6 5}$ |
| ---: | :---: | :---: | :---: | :---: |
| $1^{\text {st }}$ choice | A | C | D | B |
| $2^{\text {nd }}$ choice | B | D | A | C |
| $3^{\text {rd }}$ choice | C | A | B | D |
| $4^{\text {th }}$ choice | D | B | C | A |

C is declared the winner. Were the votes tallied using plurality, majority, majority with elimination, or some other method?

