Voting Procedures
There are five different procedures to determine the winner in an election.
plurality ballot: whoever gest ste most " chociev ovesis ste w wine majority ballot
Condorcet's Criterion whoever beats all opponents in a head to head comparison Elimination Ballot: The first step in an elimination ballot is the same as in a majority ballot. If a winner can be determined with a majority ballot, the same candidate will win using an elimination ballot. If a winner cannot be determined by majority ballot, candidates are eliminated one by one until a winner is determined by receiving more than $50 \%$ of the $1^{\text {st }}$ choice votes.


Example 2: Majority vote:
Using the same example...Cher has $\qquad$ 24 .owemanab $\qquad$ \% of the vote, so she loses by majority ballot.

Example 3: Borda's Method:
Using the same example... $1^{\text {st }}$ choice ( 2 pts ), $2^{\text {nd }}$ choice ( 1 pts ), $3^{\text {rd }}$ choice ( 0 pts )
 has the most points.

## Example 4: Condorcet's Criterion:

Using the same example...we compare the candidates head to head.


Bill wins with 41 votes over Sam
Cher wins with 39 votes over Bill.
Sam wins with 32 votes over Cher. In this case, there is $\qquad$
To win: someone would have had to beat all the others in each comparison.

Example 5: Elimination Ballot:
Using the same example...
In this example we know that a majority ballot did not determine a winner so, we eliminate the candidate with the fewest number of the first choice votes, Sam.

| Votes | 17 | 15 | 24 |
| :---: | :---: | :---: | :---: |
| $1^{\text {st }}$ Choice | Bill | Sam | Cher |
| $\mathbf{2}^{\text {nd }}$ Choice | Sam | Cher | Bill |
| $3^{\text {rd }}$ Choice | Cher | Bill | Sam |

Our table now changes to:

| Votes | 17 |
| :---: | :---: | :---: | :---: |
| 1 $^{\text {st }}$ Choice | Bill Cher Cher |
| $2^{\text {nd }}$ Choice | Cher Bill Bill |

Cher wins with

## $39 \times 100=70 \%$ of the vote. 56

$$
\text { Cher } \begin{aligned}
\frac{15+24}{56} & =\frac{39}{56} \times 100 \\
& =70 \%
\end{aligned}
$$

Do MHS Worksheet "Voting Procedures" \# 1-10

