

Facilitator: _____

Summarizer: _____

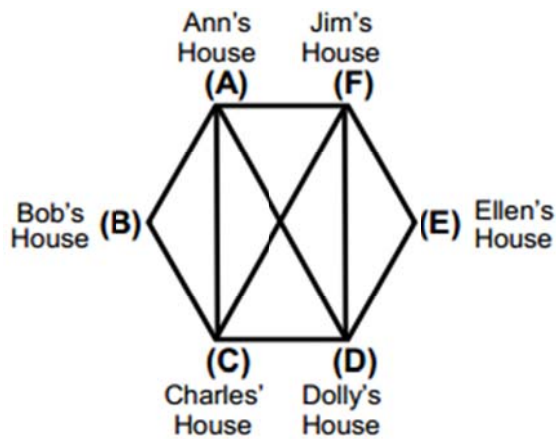
Presenter: _____

Critic: _____

- Facilitator to make sure team works and achieves its goal
- Summarizer to summarize the results
- Presenter to present the results
- Critic to make sure questions from the audience are considered when preparing the task

Your task as a team:

The following digraph shows the relation between different homes. Use letters assigned to each vertex to describe the path. For instance, walk from C to B to A is $C \rightarrow B \rightarrow A$.



1. List two paths from Charles' house (C) to Ellen's house (E)
 - a. Path 1:
 - b. Path 2:
2. Describe a path that goes through all of the vertices
3. Is This a cycle? Is it an Euler path/circuit or Hamiltonian path/circuit?
4. Which one of these does not take you from Ann's house to Dolly's house.
 - a. Ann's House \rightarrow Bob's House \rightarrow Charles' House \rightarrow Jim's House \rightarrow Dolly's House
 - b. Ann's House \rightarrow Charles' House \rightarrow Jim's House \rightarrow Dolly's House
 - c. Ann's House \rightarrow Dolly's House
 - d. Ann's House \rightarrow Ellen's House \rightarrow Dolly's House
5. Describe a path starting at Bob's house, ending at Jim's house and going through every other house before that.