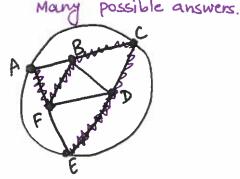
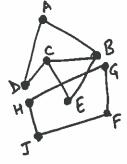
Name Solns

- Put away all calculators and electronics
- You have 15 minutes for this quiz.
- 1. Find a spanning tree if possible in the following two graphs. If not, explain why.





No spanning tree since graph is not connected.

- 2 Which of the following statement is true about spanning trees:
  - (a) It is either a Hamiltonian circuit or an Eulerian circuit.
  - (b) It is a complete subgraph.
  - (c) It does not have to be connected.
  - (d) It visits all the vertices of the graph.
  - It is a subgraph.
- 2 Using Kruskal's algorithm, find a minimum cost spanning tree in the following graph:

