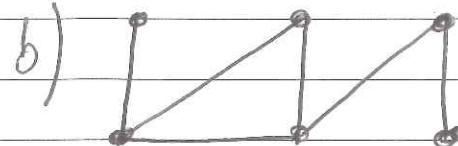
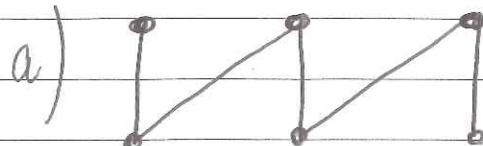
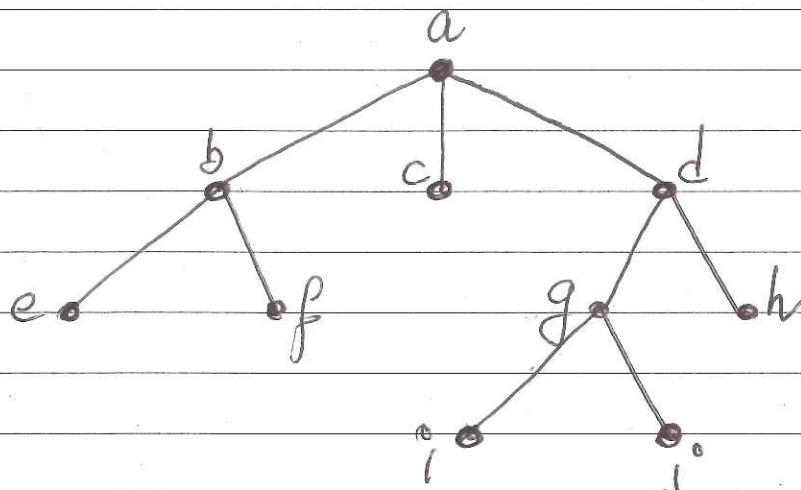


## Lecture 2 part 1 - Trees Quiz

Q1) Which of the following graphs are trees?  
Give Reasons for your answer.



Q2) Answer the following questions about the rooted tree illustrated.



- which vertex is the root?
- which vertices are leaves? - leaf nodes
- which vertices are children of d?
- which vertex is the parent node of e?
- draw the subtree of this tree that is rooted at d.

Q3) Use Prim's algorithm to find the MST of:

