Worksheet 12
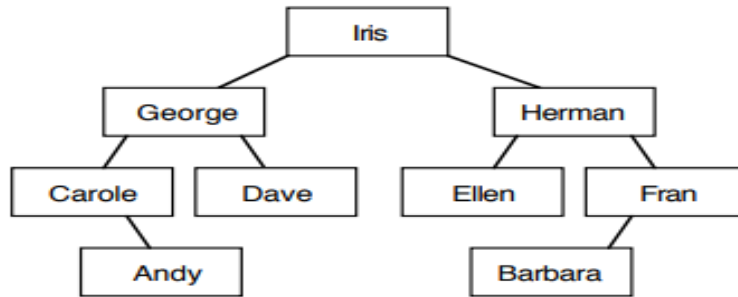**Tree Traversals & Binary Search Tree**

1. The diagram at below is intended to represent the elements of a binary tree. Write the names in the order that they would be printed by methods of the following types:

2. Suppose the following list of letters is inserted into an empty binary search tree: J, R, D, G, W, E, M, H, P, A, F, Q
   (a) Find the final tree T.
   (b) Find the inorder traversal of T.

3. Represent the expressions $(x + xy) + (x/y)$ and $(x + ((xy + x)/y))$ using binary trees.