1. Draw the **Binary Search Tree** that would be formed using the following list of numbers for input.

37 13 42 56 37 99 28

2. Use the following **Binary Search Tree** to answer questions a – c. *Start with the tree below for each question.*

root

a.) Draw the tree after inserting a node with info value of **F.**

b.) Draw the tree above after deleting node **R**.

c.) Draw the tree above after deleting node **E**.

root

3.Given the above expression tree, traverse to find the pretfix, infix and postfix expressions.

Prefix: ­­­­­­­­­­­­­­­­­­­­­­­­­­­­­­­­­­­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Infix: ­­­­­­­­­­­­­­­­­­­­­­­­­­­­­­­­­­­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Posfix: ­­­­­­­­­­­­­­­­­­­­­­­­­­­­­­­­­­­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_