

Elisabeth Hansen

Cpts 223

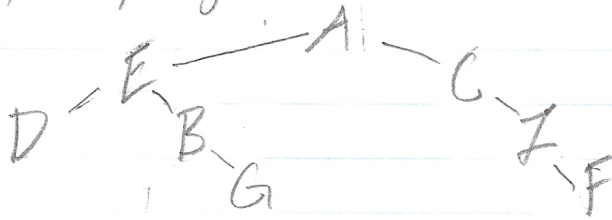
HW #2

1. Pre order: A, E, D, G, B, F, I, C

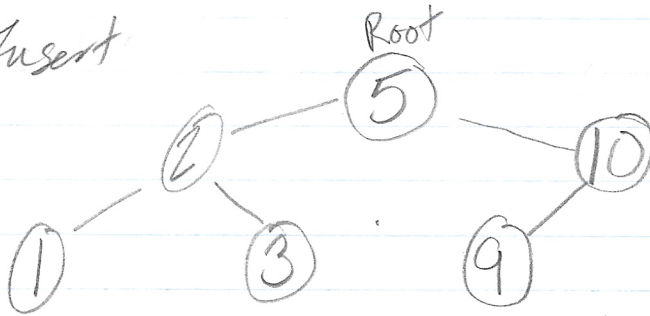
Root, Left, Right

Inorder: D, E, B, G, A, F, I, C

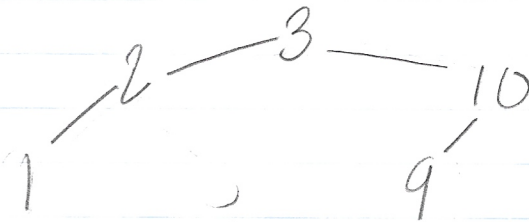
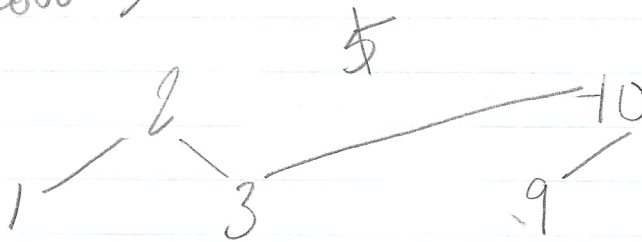
Left, Root, Right



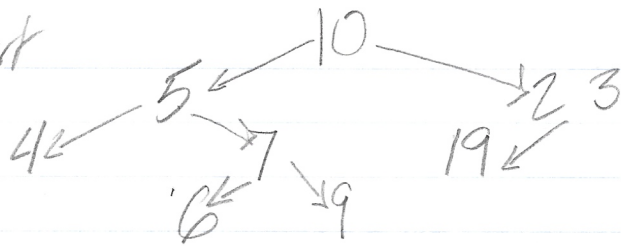
2. Insert



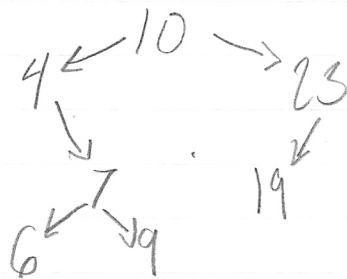
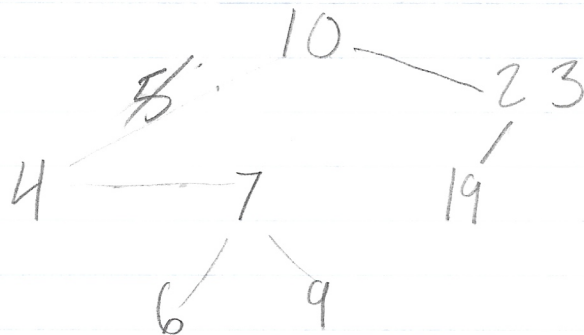
Remove 5



3. Insert



Remove 5



4. A) Tree has a height of 4

B) 90 is at a depth of 3

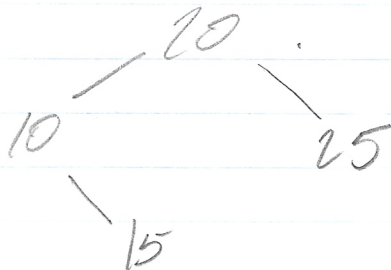
C) 90 is at a height of 1

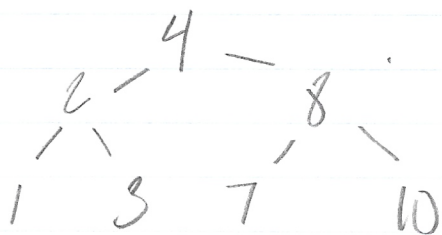
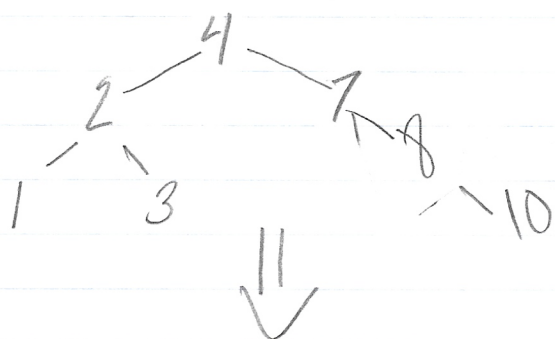
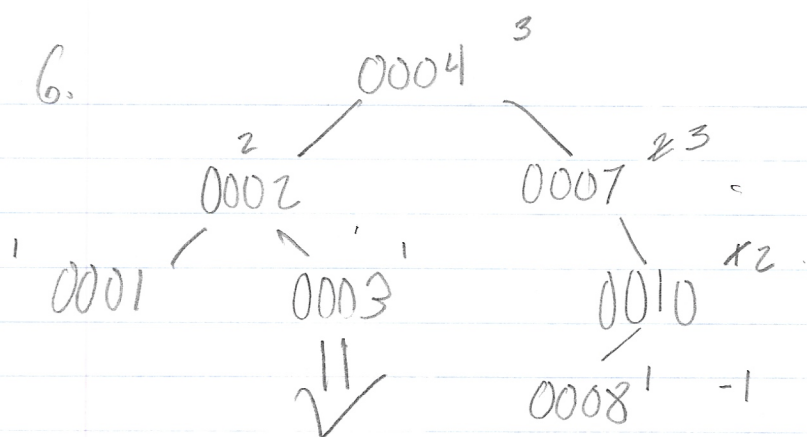
D) Preorder: 1100, 0050, 0003, 0001, 0020, 0080,  
0052, 0090, 0083, 0099, 0150, 0125, 0152

Inorder: 0001, 0003, 0020, 0050, 0052, 0080,  
0083, 0090, 0099

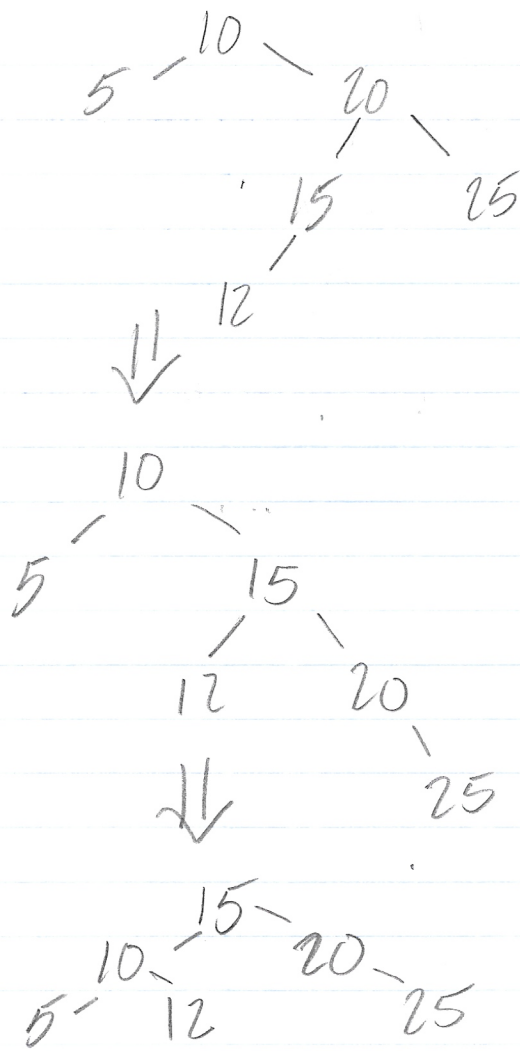
Post order:

5.

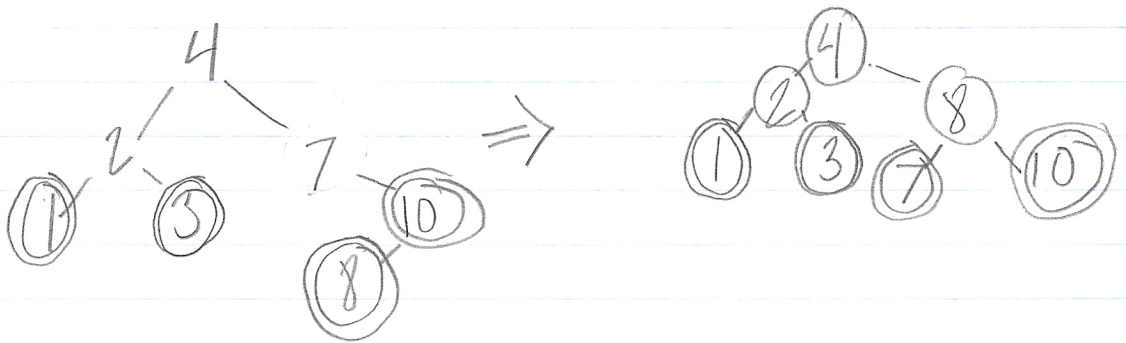




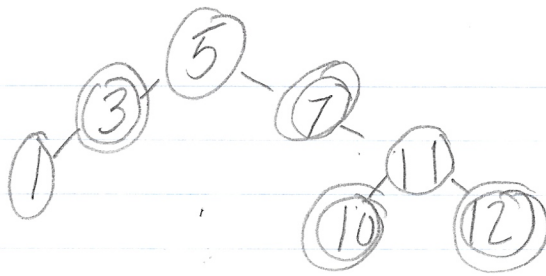
7



8.



9



10, A)

3

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11