1. Pre-order : A B H N O I J C D E K P L Q F G M  
   Post-order: N O H I J B C D P K Q L E F M G
2. (a)

(b)   
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
 (c)

1. (a)

Prefix: \* + X 1 – X + Y 4

Postfix: X 1 + X Y 4 + - \*

(b)

Prefix: + 1 + 2 + 3 + 4 5

Postfix: 1 2 3 4 5 + + + +

(c)

Prefix: + \* 9 7 + \* 7 6 5

Postfix: 9 7 \* 7 6 \* 5 + +

1. The answer is in the source code file (TreeUtil.java) inside the archive.