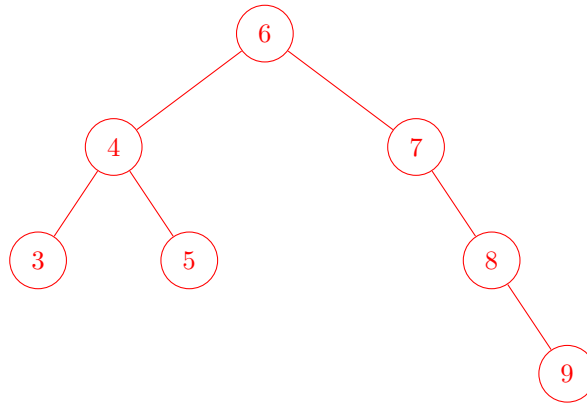


**CSCI 310 – Data Structures – Spring 2019**  
**HW 13 – BST and AVL Trees (10 points) – Solutions**

1. Consider the sequence of values  $s = 6, 7, 4, 8, 9, 3, 5$ .

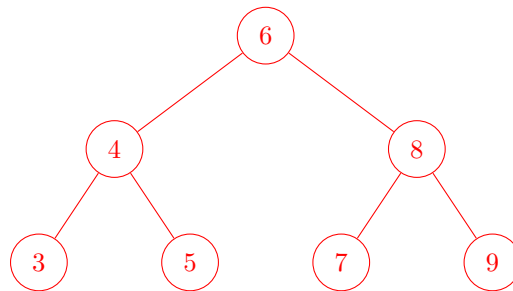
(a) (5 points) Draw the Binary Search Tree resulting from adding the sequence  $s$  to an initially empty BST.

**Solution:**



(b) (5 points) Draw the AVL Tree resulting from adding the sequence  $s$  to an initially empty AVL Tree.

**Solution:**



**What to turn in:** This assignment is to be turned in through Blackboard. You can type up your solution using a computer program or you can prepare your solution by hand and scan it.