First Name:	Last Name:
	the instructions for question Q1 in the assignment document. For each of the five sub-questions your answer in the given space.
(a):	Your answer to Q1(a) is
(b):	Your answer to Q1(b) is
(c):	Your answer to Q1(c) is
(d):	Your answer to Q1(d) is

- Q2: Read the instructions for question Q2 in the assignment document. For each of the seven sub-questions, enter your answer in the given space.
  - (a): After BST insertion of node p with key 12, the parent of p is
  - (b): After BST insertion of node p with key 12, p is the

child of its parent.

- (c): After BST insertion of node p with key 12, the RBT property being violated is
- (d): After RBT insertion of node p with key 12, the parent of node p is
- (e): After RBT insertion of node p with key 12, the color of node p is
- (f): After RBT insertion of node p with key 12, the left child of node p is
- (g): After RBT insertion of node p with key 12, the right child of node p is

- Q3: Read the instructions for question Q3 in the assignment document. For each of the twelve sub-questions, enter your answer in the given space.
  - (a): After RBT deletion of node with key 40, the left child of node g is

(b): After RBT deletion of node with key 40, the right child of node g is

(c): After RBT deletion of node with key 40, the color of node g is

(d): After RBT deletion of node with key 40, the left child of node I is

(e): After RBT deletion of node with key 40, the right child of node I is

(f): After RBT deletion of node with key 40, the color of node I is

(g): After RBT deletion of node with key 40, the left child of node j is

(h): After RBT deletion of node with key 40, the right child of node j is

(i): After RBT deletion of node with key 40, the color of node j is

(j): After RBT deletion of node with key 40, the left child of node h is

(k): After RBT deletion of node with key 40, the right child of node h is

(I): After RBT deletion of node with key 40, the color of node h is