Suppose that a certain BST has keys that are integers between 1 and 10, and we search for 5. Which sequence below cannot be the sequence of keys examined? Why?

a. 10, 9, 8, 7, 6, 5

b. 4, 10, 8, 7, 3, 5

c. 1, 10, 2, 9, 3, 8, 4, 7, 6, 5

d. 2, 7, 3, 8, 4, 5

e. 1, 2, 10, 4, 8, 5

ANSWER

b and d incorrect.