Java Exam and Answer

1) True/False: The base 2 logarithm of 100 is 2
[a] True
[b] False
Answer: FALSE

2) Big O notation tells
[a] how the speed of an algorithm relates to the number of items.
[b] the running time of an algorithm for a given size data structure.
[c] the running time of an algorithm for a given number of items.
[d] how the size of a data structure relates to the number of items.
Answer: A

3) The maximum number of elements that must be examined to complete a binary search in an array of 200 element is
[a] 200
[b] 8
[c] 1
[d] 13
Answer: B