Java Exam

Name:_____   Date:_____   Student_ID:_____

1) True/False: The base 2 logarithm of 100 is 2

[a] True

[b] 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.

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