Quizlet 6

For the given code:	What is the runtime of each of the following lines of code?

`# lst is a list, n = len(lst)`
`1. def example(lst, item):`
`2.   a = len(lst)`
`3.   count = 0`
`4.   print(binarySearch(lst, item))`
`5.   for i in range(a, 0, -100):`
`6.     if item in lst:`
`7.       count = count + 1`
`8.   return count`
	Line 2: _____$O(1)$_____
	
	Line 3: _____$O(1)$_____
	
	Line 4: _____$O(logn)$_____
	
	Line 5: _____$O(n)$_____
	
	Line 6: _____$O(n)$_____
	
	Line 7: _____$O(1)$_____
	
	Line 8: _____$O(1)$_____
	
	What is the total runtime of the function `example` in Big-O notation?
	
	Total: _____$O(n^2)$_____

Quizlet 6

For the given code:	What is the runtime of each of the following lines of code?
	Line 2: _____O(1)_____
`# lst is a list, n = len(lst)`	
`1. def example(lst, item):`	Line 3: _____O(1)_____
`2.   a = len(lst)`	
`3.   count = 0`	
`4.   print(binarySearch(lst, item))`	Line 4: _____O(logn)_____
`5.   for i in range(a, 0, -100):`	
`6.     if item in lst:`	Line 5: _____O(n)_____
`7.       count = count + 1`	
`8.   return count`	
	Line 6: _____O(n)_____
	Line 7: _____O(1)_____
	Line 8: _____O(1)_____
	What is the total runtime of the function `example` in Big-O notation?
	Total: _____O(n²)_____