Quizizz	NAME :	
Ovi- 1	CLASS:	
Quiz-1	DATE:	
8 Questions		
1. Pseudocode is independer	nt of language and machine.	
☐ a) True	☐ b) False	

1.	Pseudocode is independent of language an	d machine.	
	a) True	☐ b) False	
2.	A single problem must have a single algorithm.		
	a) True	☐ b) False	
3.			
	must be corrected.		
	a) True	☐ b) False	
4.	Time complexity of an algorithm is measured by?		
	a) Counting microseconds	\square b) Counting the number of key operations	
	c) Counting the number of statements	\square d) Counting the kilobytes of a program	
5.	In a Random Access Machine Model, all instructions are		
	considered to be run sequentially.		
	a) True	☐ b) False	
6.	Two main measures for the efficiency of an algorithm are		
	a) Processor and memory	☐ b) Complexity and capacity	
	c) Time and space	☐ d) Data and space	

For the following code, perform line-by-line analysis to determine the time complexity of function foo in terms of Big-Oh notation.

```
 8. \qquad \begin{array}{l} \mbox{void foo (int n) } \{ \\ \mbox{ for (int } i=0; \ i < n; \ i++) \ \{ \\ \mbox{ for (int } j=0; \ j < i; \ ++j) \ \{ \\ \mbox{ printf ("j=%d\n", j);} \\ \mbox{ } \} \\ \mbox{ for (int } k=0; \ k < n*3; \ ++k) \ \{ \\ \mbox{ printf ("k=%d\n", k);} \\ \mbox{ } \} \\ \mbox{ } \} \\ \mbox{ } \} \\ \mbox{ } \end{array}
```

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