**Question 1 (Mandatory) (1 point)**

The Big O when adding one element to an unsorted Array or ArrayList when the current size of the array is less than the max size is: O(1)

**Question 2 (Mandatory) (1 point)**

Question 2 options:

The Big O when adding one element to an unsorted Array or ArrayList when the current size of the array is equal to the max size is: O(



**Question 3 (Mandatory) (1 point)**

Question 3 options:

The Big O when adding one element to a sorted Array or ArrayList when the current size of the array is less than the max size is: O(



**Question 4 (Mandatory) (1 point)**

Question 4 options:

The Big O when removing the first element from an Array or ArrayList: O( n)

**Question 5 (Mandatory) (1 point)**

Question 5 options:

The Big O when removing the last element from an Array or ArrayList: O( \_\_\_n\_\_\_Incorrect Response**(1)**)

**Question 6 (Mandatory) (1 point)**

Question 6 options:

The Big O when sorting (best algorithm) an Array or ArrayList: O(



)

**Question 7 (Mandatory) (1 point)**

Question 7 options:

How many bytes are allocated by the following code if an int is 4 bytes and a reference is 4 bytes?

int[] array = new int[5];



Question 8 options:

How many bytes are allocated by the following code if an object of type MyClass is 10 bytes and a reference is 4 bytes?

MyClass[] array = new MyClass[5];



Answer True

Question 9 options:

|  |  |
| --- | --- |
|  | True |
|  | False |