Student name:

Student ID:

EECS login ID:

**Assignment 1 - Arrays, Loops and Functions**

**Problem 1: Unsorted arrays**

**Function myAdd()**

* References: <https://www.onlinereferences.org/unsorted_arrays.html>
* Error conditions:
  + Array index out of bound: This happens when index i run past the maximum size. In this case, return code -1.
  + Error 2: This happened when …. In this case, return code -2.
* Brief algorithm: The new element is added to the end of the current array as the last element.
* Running time of the function (algorithm): O(X)
* Brief explanation of the running time:

**Function myRemove()**

* References: none
* Error conditions:
* Brief algorithm:
* Running time of the function (algorithm): O(X)
* Brief explanation of the running time:

**Function search()**

* References: zyBook, section xxx
* Error conditions:
* Brief algorithm:
* Running time of the function (algorithm):
* Brief explanation of the running time:

**Problem 2: Sorted arrays**

**Function myAdd()**

* References: none
* Error conditions:
* Brief algorithm:
* Running time of the function (algorithm):
* Brief explanation of the running time:

**Function myRemove()**

* References: [www.resources.com/examples.html](http://www.resources.com/examples.html)
* Error conditions:
* Brief algorithm:
* Running time of the function (algorithm):
* Brief explanation of the running time:

**Function search()**

* References: zyBook, section xxx
* Error conditions:
* Brief algorithm:
* Running time of the function (algorithm):
* Brief explanation of the running time: