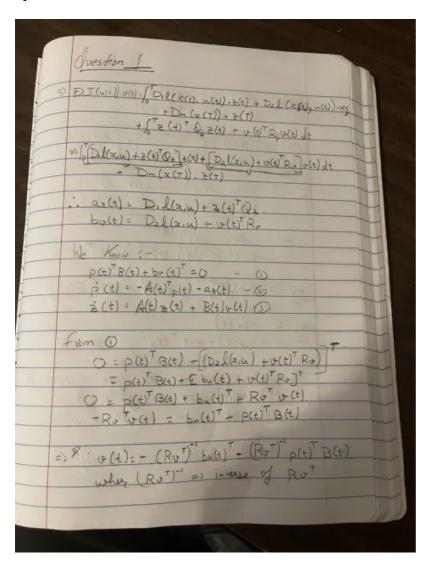
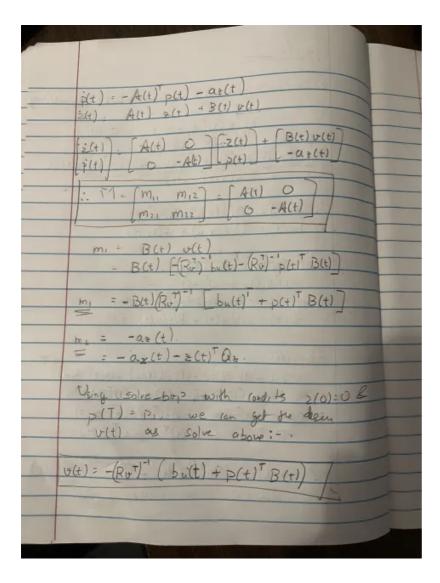
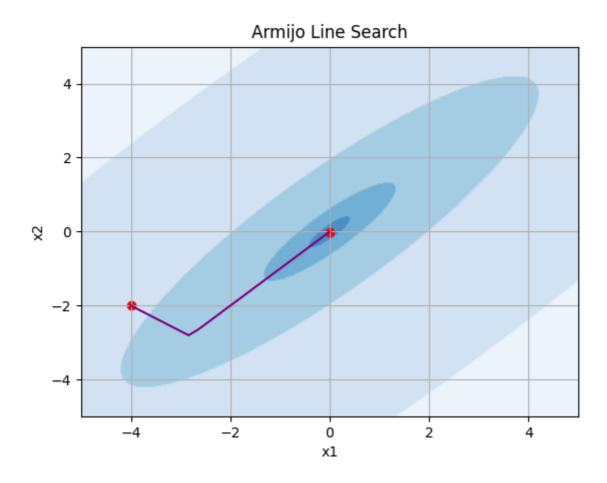
### **HOMEWORK-4**

## Question 1



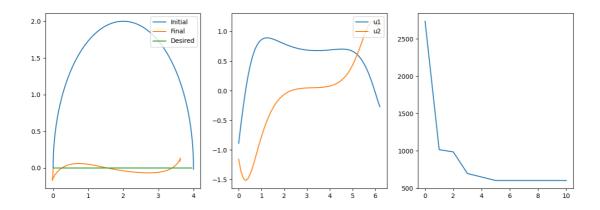


# Question 2

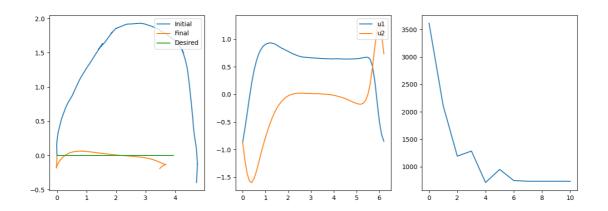


## Question 3

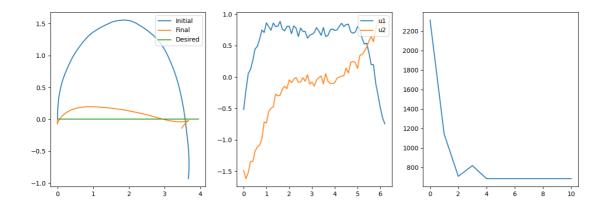
### 1. With Constant Control Signal



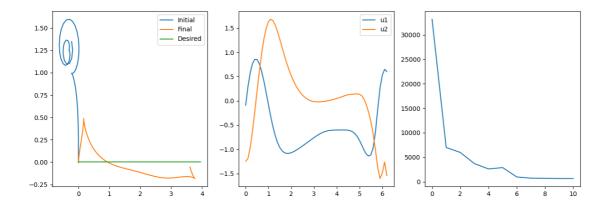
#### 2. With Random Normal Distribution



### 3. With Random Uniform Distribution



3. With x as a cos distribition and y with input



## 4. With y as a cos distribition and x with input

