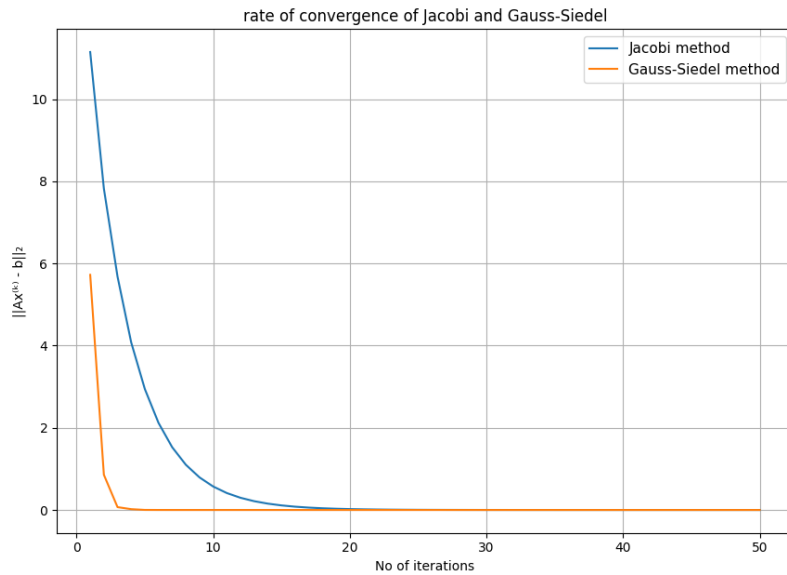


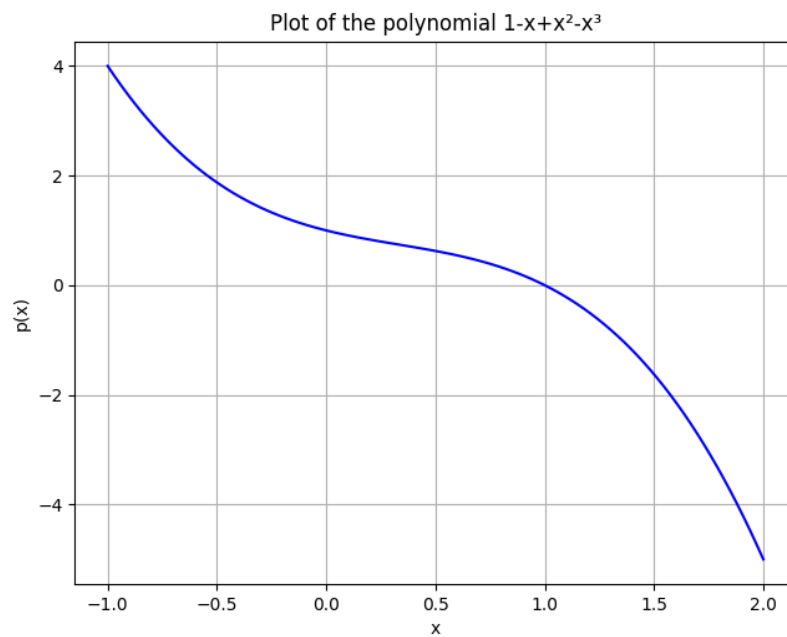
Q3)

For a square matrix of dimension 10 x 10 and for 50 iterations of each method.

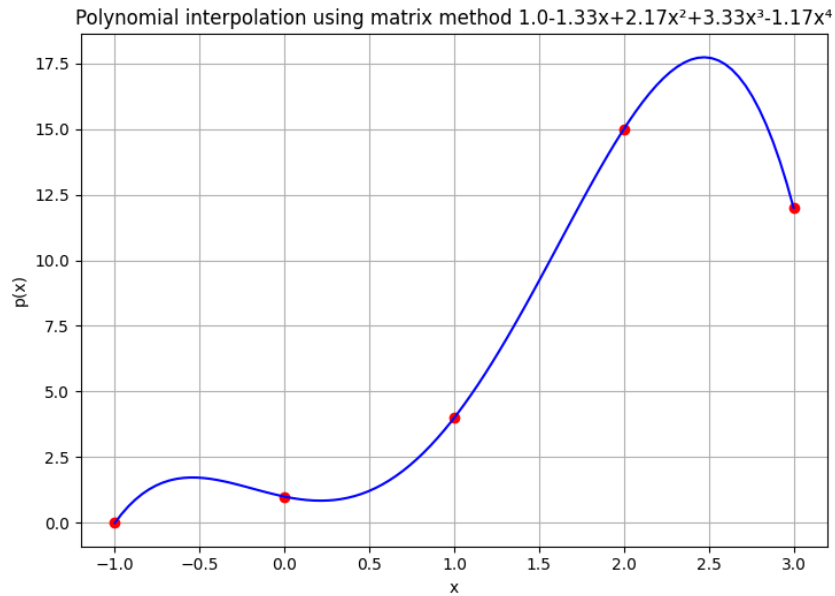


Q4)

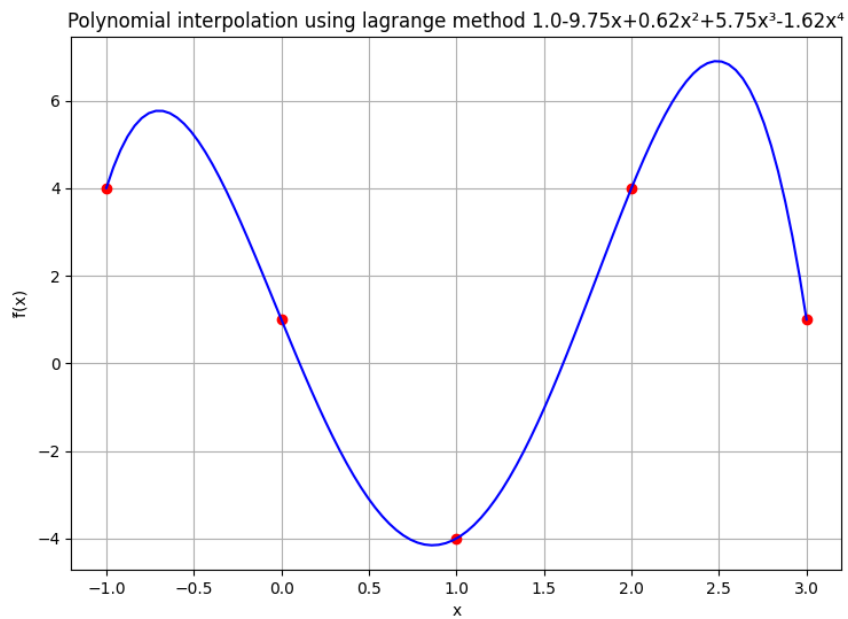
```
p = Polynomial([1, -1, 1, -1])  
p.show(-1, 2)
```



```
p = Polynomial([])
p.fitViaMatrixMethod([(1,4), (0,1), (-1, 0), (2, 15), (3,12)])
```



```
p = Polynomial([])
p.fitViaLagrangePoly([(1,-4), (0,1), (-1, 4), (2, 4), (3,1)])
```



Q5)

