

```
>> % Exercise 4 (a) (b)
>> A = [3, 1, 2; 6, 3, 4; 3, 1, 5];
>> b = [0; 1; 3];
>> linearSystemSolver(A, b)
```

```
ans =
```

```
    -1
     1
     1
```

```
>> A = [4, 2, 0; 4, 4, 2; 2, 2, 3]
```

```
A =
```

```
     4     2     0
     4     4     2
     2     2     3
```

```
>> b = [2; 4; 6];
>> linearSystemSolver(A, b)
```

```
ans =
```

```
     1
    -1
     2
```

```
>>
```