

```
>> matrixA = [-2 1 -4; 7 -3 1; 3 -1 -7], vectorb = [-5 -2 1];
CSCI3656_ProblemSet4_1(matrixA, vectorb)
```

matrixA =

```
-2    1    -4
 7    -3    1
 3    -1   -7
```

ans =

```
2.5000    1.0000   -0.5000
```

```
>> matrixA = [-2 1 -4; 7 -3 1; 3 -1 -7], vectorb = [-5; -2; 1];
CSCI3656_ProblemSet4_1(matrixA, vectorb)
```

matrixA =

```
-2    1    -4
 7    -3    1
 3    -1   -7
```

Step 1

Matrix A:

```
-2.0000    1.0000   -4.0000
      0    0.5000  -13.0000
      0    0.5000  -13.0000
```

Vector b:

```
-5.0000
-19.5000
-6.5000
```

Step 2

Matrix A:

```
-2.0000    1.0000   -4.0000
      0    0.5000  -13.0000
      0      0      0
```

Vector b:

```
-5.0000
-19.5000
13.0000
```

ans =

PS4\_Problem1\_Transcript\_c.txt

NaN  
Inf  
Inf

>>