
Problem 3a)

```
A = [1.0000    -10.5092     4.5354     0.9451     1.0000  
     -10.5092     1.0000     -0.1899     0.2517     1.0000  
         4.5354     -0.1899     1.0000    -5.3037     1.0000  
         0.9451     0.2517    -5.3037     1.0000     1.0000  
         1.0000     1.0000     1.0000     1.0000     2.0000];
```

```
determinant_A = det(A)
```

```
determinant_A =
```

```
8.455510510026739e+03
```

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