

Question 2

Assignment 2.

command window

clear

cls

$a = [1 -2 -1 3; 2 3 0 1; 1 0 -4 -2, 0 = 1, -3 1]$

$b = [10; 3; -7]$

$c = \text{inv}(a)$

$d = \text{eig}(c)$

Command window

$c =$

|         |        |         |         |
|---------|--------|---------|---------|
| 0.0261  | 0.2400 | 0.4933  | 0.6667  |
| -0.0963 | 0.1600 | -0.2265 | -0.3330 |
| -0.1067 | 0.0400 | 0.0267  | 0.3330  |
| -0.2267 | 0.4000 | -0.3067 | -0.3330 |

$d =$

|         |           |
|---------|-----------|
| -0.2821 | + 0.8771i |
| -0.2821 | - 0.2577i |
| 0.2221  | + 0.2049i |
| 0.2221  | - 0.2049i |