

## QUESTION 2

Commandwindow

Clear

Clc

```
>> A=[1 -2 -1 3
```

```
2 3 0 1
```

```
1 0 -4 -2
```

```
0 -1 3 1]
```

A =

```
1 -2 -1 3
```

```
2 3 0 1
```

```
1 0 -4 -2
```

```
0 -1 3 1
```

```
>> w=inv(A)
```

w =

```
0.0267 0.2400 0.4933 0.6667
```

```
-0.0933 0.1600 -0.2267 -0.3333
```

```
-0.1067 0.0400 0.0267 0.3333
```

```
0.2267 0.0400 -0.3067 -0.3333
```

```
>> y=eig(w)
```

$y =$

$$-0.2821 + 0.2577i$$

$$-0.2821 - 0.2577i$$

$$0.2221 + 0.2049i$$

$$0.2221 - 0.2049i$$