

In[109]:=

```
ClearAll["Global`*"];
```

```
m = Eigenvalues[{{μ - 2 * (μ^2 + 1)/(μ + 2), 1}, {4 * (μ^2 + 1)/(μ + 2) - 1, μ}}] // MatrixForm;
```

```
m // FullSimplify
```

```
MatrixForm[{- $\frac{\sqrt{((\mu + 4)\mu + 9)\mu^2 + 5} - 2\mu + 1}{\mu + 2}$ ,  $\frac{\sqrt{(\mu(\mu + 4) + 9)\mu^2 + 5} + 2\mu - 1}{\mu + 2}$ }]
```