## Eigenvalue of matrix \#3

Find the eigenvalues of $\mathbf{A}$ and $\mathbf{A}^{\mathbf{2}}$ where $\mathbf{A}$ is -

$$
A=\left[\begin{array}{rr}
2 & -1 \\
-1 & 2
\end{array}\right]
$$

Your answer should have the eigenvalues of $\mathbf{A}$ followed by eigenvalues of $\mathbf{A}^{\mathbf{2}}$ separated by a single line resembling this(with smaller value coming first):

[^0]
[^0]:    5
    6
    2
    3

