HackerRank

Eigenvalue of matrix #3

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

$$A = \begin{bmatrix} 2 & -1 \\ -1 & 2 \end{bmatrix}$$

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

5				
6				
2				
3				