Name:

## Linear Algebra II - Quiz 10

All the solutions should be properly justified and explained. Clarity of the presentation will also be rewarded.

The maximal number of points awarded is 10 .
Find the eigenvectors and eigenvalues of the following matrix:

$$
M=\left[\begin{array}{ll}
-1 & 2 \\
-3 & 4
\end{array}\right]
$$

