Name:

Linear Algebra II - Quiz 6

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.

Compute the determinant of

$$M = \begin{bmatrix} 1 & 3 & 0 & 2 \\ -1 & 0 & 4 & 0 \\ 1 & 0 & 3 & 9 \\ 7 & 4 & 0 & 1 \end{bmatrix}.$$