Name:
Student ID #:

Question. Consider the matrix
$$A = \begin{bmatrix} -2 & 2 & -3 \\ 2 & 1 & -6 \\ -1 & -2 & 0 \end{bmatrix}$$
Determine if A is diagonalizable or not. If it is diagonalizable find two matrices P and D so that $A = PDP^{-1}$

Your Solution.