MATH 4242 Quiz 6

Name:	
Student Id:	

Let
$$A = \begin{pmatrix} 5 & -3 \\ 6 & -4 \end{pmatrix}$$
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Let $A=\begin{pmatrix} 5 & -3 \\ 6 & -4 \end{pmatrix}$. Is A diagonalizable? If so, find K and D such that $A=K^{-1}DK$ where D is a diagonal matrix.