Math 250, Quiz #5, April 15, 2015   Name: _____

Let $A = \begin{bmatrix} 10 & -4 \\ 3 & 2 \end{bmatrix}$.

a. (5 points) Show that A is diagonalizable.

b. (5 points) Compute matrices P and D such that D is diagonal and $A = PDP^{-1}$.