Math 415 ADG   **Name:**

Quiz # 10

April 25, 2014

No notes, electronic devices, or interpersonal communication allowed. **Show work to get credit.** Use the methods from this class.

Find a matrix P and a diagonal matrix D such that $PDP^{-1} = \begin{bmatrix} 2 & 1 & 4 \\ 0 & -1 & 0 \\ 0 & 0 & -1 \end{bmatrix}$.