

CHEMISTRY 1410 FALL 2014
HOMEWORK #2

HW #2, Chem. 1410, Assigned: 9/3; due 9/10

1. Q. 2.4
2. Is the vector (1,1) an eigenfunction of the matrix $\begin{pmatrix} 0 & 1 \\ 1 & 0 \end{pmatrix}$? (Note, you have to switch to a column vector.) What about the vector (1, -1)?
3. Normalize the function e^{-ax^2} in the interval $(-\infty, +\infty)$
4. p. 2.3
5. p. 2.11
6. p. 2.35