

Attendance Quiz for Lecture 19

NAME: (print!) _____ **Section:** _____

E-MAIL ADDRESS: (print!) _____

1. (a) Diagonalize the matrix

$$\begin{bmatrix} -2 & -2 \\ 6 & 5 \end{bmatrix} .$$

(b) Use (a) to compute A^{10} (Hint $2^{10} = 1024$).