

Section 9-3

1. (05/28) 課本: 7, 11

2. (05/28) Extra:

$$A = \begin{vmatrix} 4 & -1 & 1 \\ -1 & 3 & -2 \\ 1 & -2 & 3 \end{vmatrix}$$

Use the process in Schur's Lemma to find an unitary matrix U such that $U^{-1}AU$ is an upper triangular.

3. (06/04) 課本: 13, 17, 19, 23