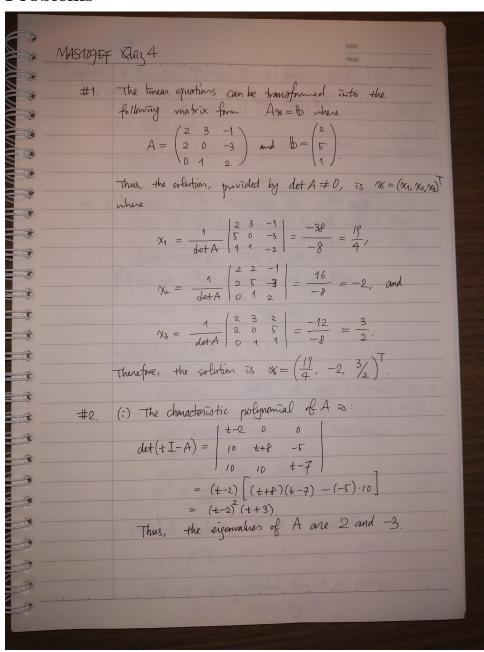
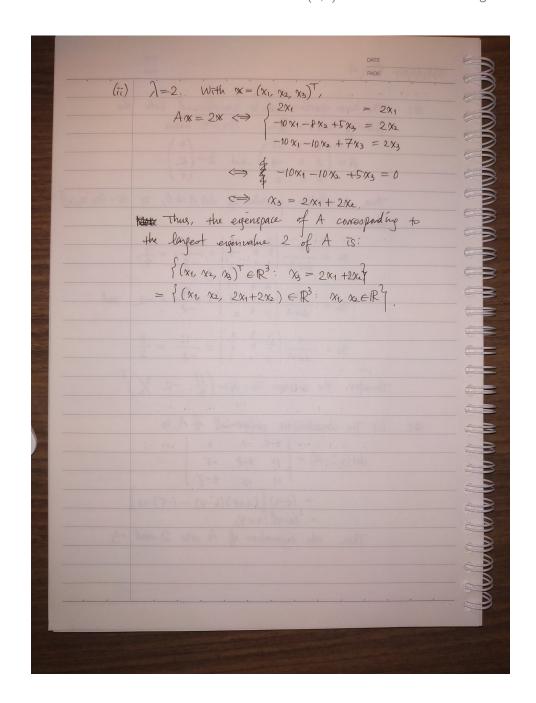
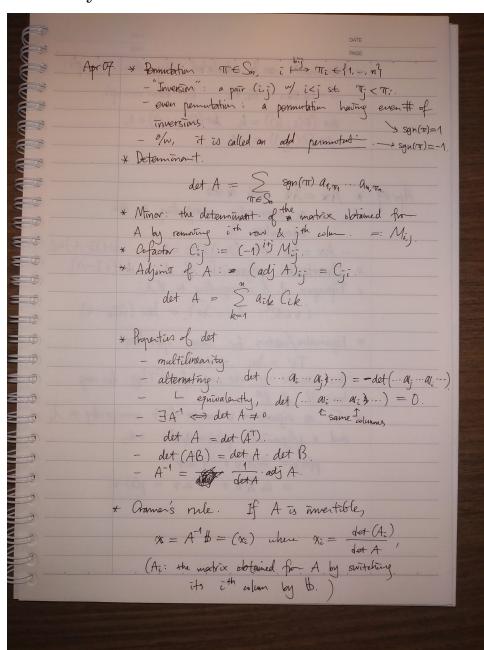
Quiz 4

Problems





Summary



DATE	8
PAGE	
* Determinants our be calculated using elen	. vou op's:
$A = E_n E_{n-1} \cdots E_2 E_1$, E_i : elem row	025.
$\det (\Xi(i;k)) = k, \det(\Xi(i,j;c)) = 1,$	
$\det \left(\overline{E}(i;k) \right) = k, \det \left(\overline{E}(i,j;c) \right) = 1,$ $\det \left(\overline{E}(i,j) \right) = -1.$	
the state of the s	
A sol v An Day The Not to	
Apr 09 * $Ax = \lambda x$ with $x \neq 0$	60
⇒ 1x: eigenvector corresponding to t eigenvalue)	
$-\Delta v = \lambda v \iff (\Lambda) 7 \lambda v = 0$	$det(\lambda I - A) = 0.$
$-Ax = \lambda x \iff (A-\lambda I)x = 0 \cdots$	
* Characteristic polynomical of A: de * Eigenspace of A corresponding to \$\mathcal{2}\mathcal{2}:	
Language of the straight and the straigh	7 1)
* Eigenvalue/vectors for linear operators	:
$Tv = \lambda v, v \neq 0.$	
Tw = λv , $v \neq 0$. This coincides $v/$ the mes of $[T]_{B}$	for any
basis 13 2 1K	
* For an eigenvector IV corres of A cure	
and a polynomial $p(x) = a_n x^n + \dots + a_n$	
$p(A)_{N} = a_{N}A^{n}_{N} + \cdots + a_{0}N$	
$= a_n \lambda^n w + \cdots + a_0 w = p(\lambda).$	v.
The sex wall (a) with a k	
program of a second second second	
I di al min to de	