Waltix Assignmen PAGE No DATE: 1 1201 1 Find: the rank of the matrix

-4 3 0 [An (3)] F Examine the following 848 lind Vectors for linear dependent, 17 dependent find the relation X - (1, 1, 13) X - (1, 2, 3, 4) 10y132=-2, 3, 4, 7) dependent 3 Test- Ne Consistency + 301+3y+02=1, 0+2y=4 10y132=-2, 82=3y-2=5 4 beleinne the value of and significant of system. $\begin{bmatrix} 3 & 2 & 1 & 1 & 2 & 3 \\ 5 & -8 & 9 & 9 & 7 & -1 \\ 2 & 1 & 9 & 2 & 1 & -1 \end{bmatrix}$ Dhas a unique solula: 2, has no Solular 3) has enifichity may solul 1) a + 3 a(11) a - 3 to b + 4 5 Find The Charactersha equal 9 male- P 12 1-2 Hence fuel

Let A: [-2 2 -3] Find a Samlarily Iransformation that diagonalises matric A $A = \begin{pmatrix} -2 & 2 & -3 \\ 2 & 1 & -6 \end{pmatrix}$ 0 / -10 -2 0 1) Worle' Dole on Camples meules 1) Conjugalé of complex punt-2) Transpose of conjugalé of masleix 2) Il a exapt 5) Hermitian matrix
Skew Hermitian maler

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