		Assignment 2 Yizhon Un lih773@ Wic.edu
١.	a) Yu	Since the linear combination of these 2 cols equal
		to if the coefficients are of
	b). Yes	Since the linear combination of these 3 cold equal
		to of iff the every: ciento one &
	c ³ No	. This time, he can have non-zero coefficients making
		liber combination suras et.
	do Ro	nle can = 2
	e). It depe	ATA) Wied, we write [ATA of] (i.e, augmented matrix). (BTA) + rank congruntal matrix), then no solven.
	Therefore,	ATA) Wied, we write [ATA of] (i.e, augmented matrix)
	O if ran	(BTA) + rank congrantal matrix), then no solvetion
	O of rook	(ATA) = rank (augmented morth); then tunique solution rank (ATA) = # of unknowns of both nativacus the same but rank (ATA) x # of unknown, then infinite #
) .	(3) If rank a) (6)	of both netraculi the some sur rank rooms on R"
	. , 0,	un -that 11.1/a & 11.1/3 are norms on R",
	then W	11x11/2+11x11/2 \$. (1) 11x11/4 = 4 iff x=4.
		kx a + 11 kx , = k. 11 x a + k 11 x = k (11 x a + 11 x a).
	Brun	KER, XERM, @ fixing = /1x+y 1/a + 1/x+y 1/b=
	$\eta \chi \eta_{\Delta}$	+ 11/3/1/4 + 11/2/1/4 = fex)+ feg,
	By 0, ()10,00, fur= 11x1la + 11x1le is a nom in 20".

b).

