9/20124 Thom: Ax = b be consistent & kt pt be a site. Then men Solution set & Ax = b' 4-5 the Fam p'+ 2 15 ang Solution d- Axi = or .7 / Linear indefindence ex: $\left(\frac{1}{2}\right) + \left(\frac{1}{2}\right) + \left(\frac{1}{2}\right$ Are hers others OF: A Set of vectors in R is I nearly interpersion (LT) is the set { vi... vp} is lineary dependent (LO) if coefficients C1..., CP 1ct all 200 S.t. C, J, t... + cp J = 3 ex: let $v_1 = \begin{pmatrix} 1 \\ 2 \\ 3 \end{pmatrix}$ $v_2 = \begin{pmatrix} 2 \\ 5 \\ 6 \end{pmatrix}$ $v_3 = \begin{pmatrix} 2 \\ 1 \\ 6 \end{pmatrix}$ How are mg (; 10 -20) ⇒ 2: (1) $2v_1 - v_2 + v_3 = 0$



