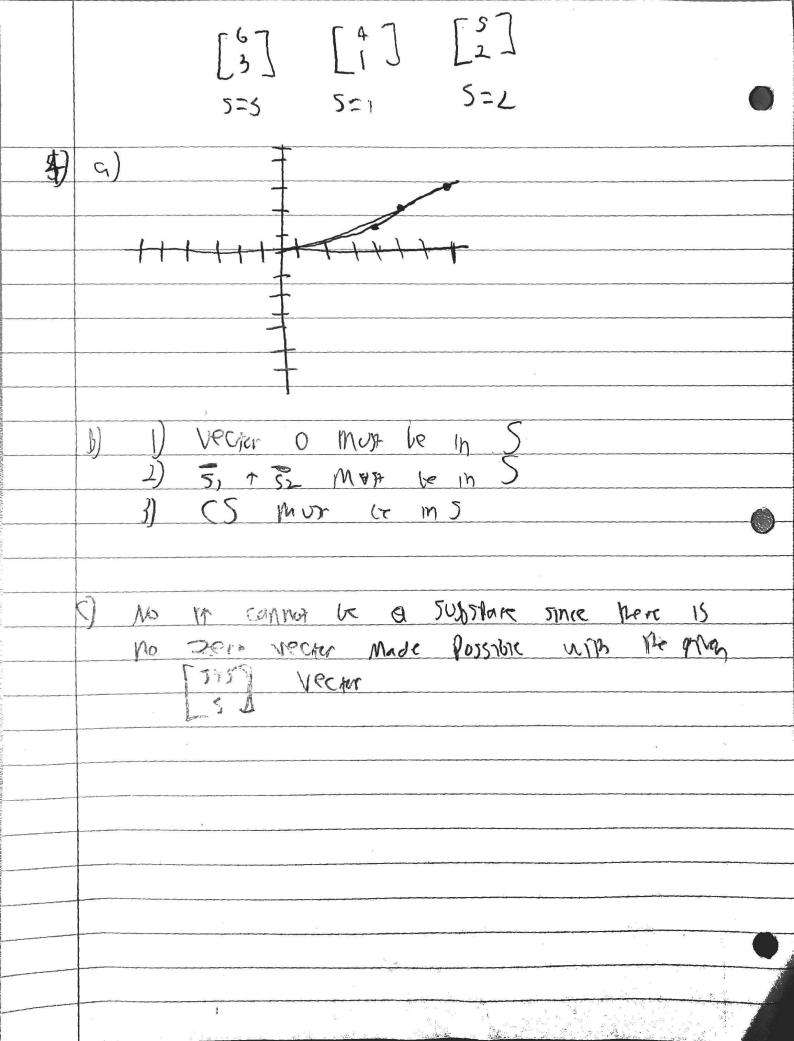


2) a) for a set of vectors [V1, V2, ..., Vn) The Mapring IT your hore 15 thoy It Shans V and 15 Theory Multerdemander 13) It you can show that pase Sep Ct rectors are Inditaryout then the are a basis for 1/23, these vectors are whomas Independent and they span 1/23 So Plan on a 6411) An ignoretible martin connor be a basis for 12" because an invertible progress a vector doesn't envis LACOURCE DESCRIPTION CONTROL LE 2010 For a MYRITIM BOOTTS Of the hors on Minerine worker then the columns must be independent and and independent VECTO OF 1 OF MUTE VECTORS WITH SHOW THE SHOW 5, 70 It my from U basis of 1/2"

3 3x, - 7x2 + 8x3- 5x4=8 3x1 - ax2 + 12x3 - 9x4 = 6 572 - 673 + 674 = 3-[3 -7 · 4 -5 | 8] 3 -9 12 -9 6 913 P1/5 .0 3 0 0 -7/3 9/3 -5/3 4/3 12/-2 -713 9/3 -5/3 9/3 G -2 2 -4 0 0 4101 % 1 0 5 X1 = 5-129 0 1 X2 = 1-214 0102 X3 = 0 0 0 14- Free



B) R^2 $B = \{ [2], [1] \}$ 1+ V=[-2] WMA PWB]x + [| y = [6] B=[1+x,3*x2, -2x+x2] [P(x)]B=[-1] 1+x=3 [xp(x0=) [3]
3+x2=-) ことをよい 二 1

Math 341 Final 0 6 2nu > 3(0 5 2 2 5 4 3 3 5 6 0 0 D 2m column gove welen Q ·G 6 6/0 6 2 In (9) -3 3 6 -5 (5) 0 6 5 0 2 Ø 0 0 3A 1/4 0 2.9.5. -1/20 = (2 b yes, the Matost 105 Investine