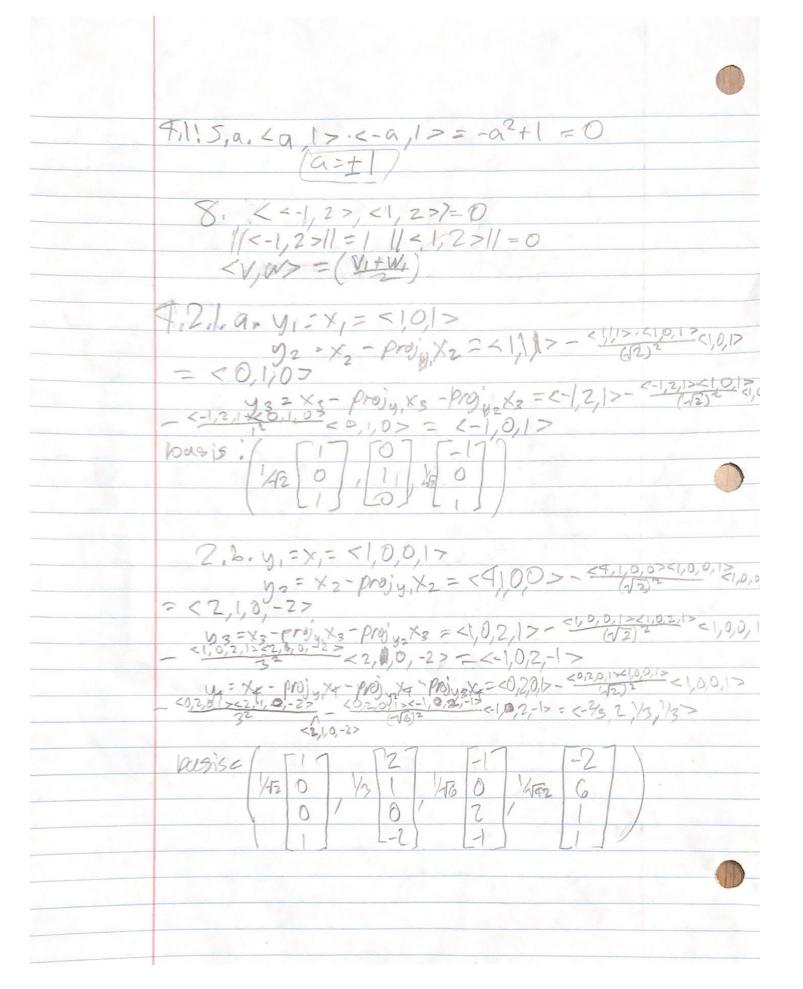


+2R1 -12 5 0 -127-2R2 6 Busis 8-1.2>.52,1>=-2+2=0 / orphodona 11. VI = 11 VI = S X Orghenormal 1/12 1/2 - R 1/2 - 1/2 + R2/2 MED118 075/AZ < /12, 1/527 1/52, 1/527 = - 1/2+1/2 =0 Offloyonal V 11/1/2/12/1=1 /OVthonorma Orthonormal basis (i, ii, and i'i') [2] ove linearly dependent so not basi 41:2,0,110 -R1-R3 110 1-3 0-30 -RZ -R2 V busis -LI>= I+(-I)+0=0 15 0/12 = 0+1+0=1 ×0 Not orthogona -42 420 Not linearly independent Not basis - 42 V/E O



9,2; 3. y,=x,= 41,-1,0,1> This will not result in a boots because y==-3y=
so they're not livearly independent. This happens
because the original vectors wen't livearly independent 0,9,1/13 MA orghogona 4 improper 10/5

True citrue U13 9243+43 9 The the don'ty must vectors than -Yes, ATA Is a dimpored matrix