Alex Ojemann Dr. James Curry Homework 5.3:1. $y_1=x_1=<1,2,-1>$ $y_2=<0,-1,3>-<0,-1,3>\cdot<1,2,-1>$ $(\sqrt{4})^{\frac{1}{2}}$ = < 5/6/2/3,13/6> W: 611 1 > 612-1 > 12/16 111 > 62/6 2/3 13/6 > 612/3 13/8 > q.a. Projub = < 3121=<11) > <1,11 = < 74,74,74,74 Stance from 6 = 1/3-7A)2-(1-1/4)2+(2-74)2+(1-2/4)2=18=19 Distance - 13-02+ (1-2)2+ (2-3/2)2+ (1-3/2)2 = (13) C, W=<3121><1000> <1000>, <3121>60/00> <0,100> +43121> <0000> <0000> = <3120> Distance = 7(3-3) 1(1-1)2+(2-2)2+(1-0)2= 1. Spanged by <1,1-1;1>, <1;-1,1;-1>, and <1;-1;1,1: W= <31,2,1>-<11-1-1> <1,1;1-1> + <312,1×1-1;1> (IF)2 1 < 31,21 >1 < 1-1/1/> < 1;1-1/2 = < 54, 54, 14, -3/4> Distance = 18-5/A2+(1-(-34))2+(2-14)2+(1-(-34))2 = 149/4 = 12/2

5.3; S.W=<112? > 12:10> 212:10 + <1122> 2012; > (0,1-3-1)

+ <112? > <1032> <1032> = 2/6+1/4, 1/3-5/6-1/6+1/8+33/4 5/6+2/4>
- 22/21; 1/2 2/4 31/42) 54: 2.a. 0 3 9/26 1/26 1/26 1/26 X7= A16





