Sandy P. Sormu					
63523082 Be diligent	No.				
% e diligent	Date.				
lurinan sou 1	(3) 1 4 (8) A - (8) 3				
1. Du Voyar U = (2, -2, 1) dan V =	(2,1,2). tentukion dan Turskon				
den rinei Proses perhiturgan dem som britur:					
a. U.V Chasil Kaw fith Voktor u dan V)					
16. Sudut antara Veretar u dan V					
C. Jaron antara Venter u dan V					
d. UXV CHOSH Kaw Sharp Voyefor U					
e. Ilu xvil	了。				
	F = HY SAIL SSI				
a) u.v = u.v. + u2v2 + u3v3					
= 2.2 + (-2).(1) + 1.2	Ded Caller &				
= 4-2+2	A reflect order of the Land				
2 4	0 < J · X · *				
0 6 = X + X - C					
(1) cos 0 = (1.v) (1)	= V4+9+1 = 3				
Ilujiva IIVII					
= 4- = 4/9					
3.3 19 H =	63,61° 01 A HAX SILL				
Cox A - Ala	5 MAN 11 = 9				
$\theta = \cos^{-1} \frac{1}{2} \frac$	(144-)-0				
	(1-2)2				
114-V11= V0+9+1-					
= V10	(2 0-1) =				
Jaran angara U dan V asangn	Va = 3.16				
d. UXV = AA BB OC	And the same of th				
2 -2 1					
2 1 2					
= A(2x2-1x1)-B(2x2-2x1)+C(2x1-2x-2)					
= 2, A(A-1)-B(A-2)+ L(2-(-4)					
We learn as long as we live					

00	No.			
₿e diligent	Date.			
A(3) - B(2) + c(6)	1 May a sure of the sure of th			
= 34 - 26 + 6c	Smill of want of all			
Jasi untur, UXV = (3,-2,6)	astron and any top of			
Charles and set	the base base			
(8) $11u \times V(1) = \sqrt{(3)^2 + (-1)^2 + (6)^2}$	manda may a too day			
([U XV]] = \/ g+4+36				
	ind and a hand the			
	1 17 1111 3			
Jabi 1/4 x V 11 = 7				
	W + VIV = W /			
2. $a = C(1, k, k^2)$ $b = (-2, -1, 1)$	(5) (6-=			
a) k ager evektor a dan b tegan curs	Table of a facility			
<u>a</u> a · b = 0	De la Company			
<u> </u>	$-2-k+k^2=0$			
	0 -> k-k-2=0			
	(K+1) (K-2)			
	k=-1~V k=2			
b) laxb11 k pos	E. E.			
a= (1,2,4) &	0 9 - 44			
= b= (-2 d(1)	plan in a			
	The specific control of the sp			
0xb = [24] 14 [12]				
0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	+0/=111-11			
= (6, -9, 3)	01/ =			
axb = \ 62 + 690 (g2) + 32	d of more of the			
= \36+81+9				
= 1/12/6	1 2 2 d 2 x 1 1 1 1			
= 3V14	() () () () () () () () () ()			
U (19-75-12)				
Better late than never				

Re diligent

3.	U=	(K+1.	K+	41)
	• /	0 -1.		. 7

$$=-k^{2}-2k-1+k^{2}-2k-1+k$$

$$= 8 - 2k^2 - 3K - 2$$

$$||u|| \cdot |||k|| = \sqrt{2k^2 + 4k + 3} \cdot \sqrt{3k^2 + 4k + 2}$$

= $\sqrt{6k^4 + 20k^2 + 29k^2 + 20k}$

$$\frac{1}{\|V\|} = \sqrt{2k^2 + 4k + 3}$$

$$=\sqrt{3k^2+4k+2}$$

BC 831

$$-2k^2 - 3k - 2 = -1$$

$$9 \text{ MVSoM } X = K$$

$$-2x^{2} - 3x - 2 = -\sqrt{6x^{4} + 20x^{3} + 29x^{2} + 10x + 6}$$

$$(2x^{2} + 3x + 2)^{2} = (\sqrt{6x^{4} + 20x^{3} + 29x^{2} + 20x + 6})^{2}$$

$$4x^{4} + 9x^{2} + 24 + (2x^{3} + 8x^{2} + 12x = 6x^{4} + 20x^{3})$$

 $6x^4 + 20x^3 + 29x^2 + 20x + 6 - 4x^4 - 17x^2 - 9 - 12x^3 - 12x = 0$ 2x4 + 8x3+12x2+8x+2 =0

$$\frac{2(x^4 + 4x^3 + 6x^2 + 4x + 1)}{2(x^4 + 4x^3 + 6x^2 + 4x + 1)} = 0$$

$$24(x^4+x^3+3x^3+3x^2+3x^2+3x+X+1)=0$$

$$2(x+1)^4 = 9 = (x+1)^4 = 0$$

$$\frac{1}{2} \qquad x + 1 = k$$

We learn as long as we live