Kelompok:
Wilbert Widjaja – C14210055
Alexander Louis – C14210135
Alvin Iqnacio – C14210154
Mario Christopher – C14210156
Leon Alvaro – C14210200

	No Date
1. $lox_1 + 2x_2 - x_3 = 27$	
-3x1-5x2 +2x3=-61,5	PRI+ 1/49 R3 - ERI
$x_1 + x_2 + 6x_3 = -21,5$	$ 1 6 6 43/282 X_1 = 48/282$
4	0 1 0 1423/141 -0 X2 = 1423/141
(A) 10 2 -1 27	0 0 1 -746/141 X3 = -746/141/
-3 -5 2 -615	
1 1 6 -21,5	(B) 10, 43/282 + 2. 1423 - (-746)=215/14, + 2846 + 746 = 27
+	-3.43/282-5.1423 +2.(-746)=-43/94-7-115-1492=-64
R1/10-0R1	43/282+ 1423 +6. (-746) = 43/282+ 1423/4- 1492/47 = -21,5
1 6,2 -0,1 2,7	Terbukti benar
-3 -5 2 -61,5	, ,
1 1 6 -21,5	2 A det = 0. det [[220]] - (-3. de+ ([1-1]) + 7. det
•	[[\$-2]]
R2+3R, -t R2	0 ((2)(0) -(-1)(-2)) = 0
1 0,2 -0,1 2,7	-3((1)(0)-(-1)(5))=-15 ×
0 -4,4 1,7 -53,4	7((1)(-2)-(2)(5))=-84,4
0 0,8 6,1 -24,2	· · · ·
b	0-(-15)+(-84)=-69 #
R2/-4,4-eR2	(B) det x1 = 4 -3 7
1 0,2 -0,1 2,7	0 2 -1 = -0+9+0-42-8-0
0 1 -17/44 267/22	$\begin{bmatrix} 3 & -2 & 0 \end{bmatrix} = -41$
0 0,8 6,1 -24,2	= 42 -060(417-17-17-0 (-)-7-23
b	de+x2= 1 0 -1 = 0-20+21-0-0-0
R1-012R2-AR1	S 3 0 = 1
1 0 - 1/44 3/11	0 -3 47
0 1 -17/44 267/22	det x3= 1 2 0 = 0+0-8-40-0+9
8 6 141/22 - 373/11	5 -2 3 = -39
•	
R3/141/22-0 R3	X1 = -41/-69 = 41/65
1 0 -1/44 3/11	$x_2 = \frac{1}{-69} = -\frac{1}{69}$
0 1 - 17/4 267/22 -	$x_3 = -39/-69 = 13/23$
0 0 1 -746/141 J	

		Date
20 0-37 4	(D) -3. (-1/6g) +7.13/23 = 4 41/63 +2. (-1/6g) -13/23=0/1 5. 41/63 - 2. (-1/6g) = 3/1 Terbukti benar/1	
12-10	41/69 +2. (-1/69) - 13/23=0/	•
5-203	5.4/69-2.(-1/69)=3,	
	Terbukti benar,	
RIADRZ	,	
1 2 -1 0		
0 -3 7 4	The second secon	
5 -2 0 3		
K3-5R1-AR3	•	
1 2 -1 07		
0 -3 7 4		
0 -12 5 3		
-		
R2/3-0R2		
1 2 -1 0		
0 1 -7/3 -4/3		
LO -12 5 3		9
♦		
K1-2K2-OR,		
1 0 11/3 8/3	*	
0 1 -7/3 -4/3		
0 6 -23 -13]		
+ h 3/-23 + b3		
1 0 11/3 8/3		
0 1 -7/3 -4/3		`
0 0 1 13/23		
h 114		
R,- 1/3 R3-ER1		
769		
0 0 1 13/23		
X1 = 41/65/		
$\chi_2 = -1/69/1$		
13/-11		
X3= 723//		

HARVARD CAMPUS

No.:

Date:

$$A = [a_{i3}] = \begin{bmatrix} a & -6 & -1 \\ -3 & -1 & 7 \\ -8 & 1 & -a \end{bmatrix}$$

- 8x1 + xa - 2x2 = - 20

Kalikan Persaman Perrama densan 3 dan kuranshan dan Persaman Ke 2 dan kuranshan Persamaan Persama densan - 2 dan kuranshan duri Persaman Ketisa

$$-9\times1+ \times2 - 2\times3 = -20$$

 $-1.375\times2+7.75\times3 = -26.5$
 $-5.75\times2-1.5\times3 = -43$

After Interchange the row since 1221 < 12321,
After Interchanging the second and the third row

$$-bx_{1} + x_{2} - 2x_{3} = -20$$

$$-5.75x_{2} - 1.5x_{3} = -43$$

$$-1.775x_{2} + 7.75x_{3} = -26.5$$



(KKY) Believe in yourself

CAMBRIDGE C	AMPUS
-------------	--------------

No.:	Date:
	Kallvan Persaman kedua densa 1.375 dan kurangkan dari
. 0	perunaun kenga
	-bx, + x2 - 2x3 = -20
	-5.75x2 - 1,5x3 = -43
	$\frac{373}{46} \times 3 = -\frac{373}{33}$
	Perform the back Substitution
	23
	313
	46
	=> x2=-43+1.5x3=-43+1.5.(-2)=8
	-5.75 -5.75
	=7 X1 = -20 - ×2 + 2×3 = -20 - 8+2. (-2)=4
	-8 -8
	Solution OF the System 15
	(X1, X2, X3) = (U, b, -2)
	trom divocan Folk (alcolate geterminant
	-8 1 -2
	0 -5.75 -1.5 = -8.65.75) . 373 = 373
	0 0 373
	46
KIKY	Never give up, winner never stop trying

HARVARD CAMPUS

Date:

(10) Substitu your recult Into the Orimul Equations

Hessil:



