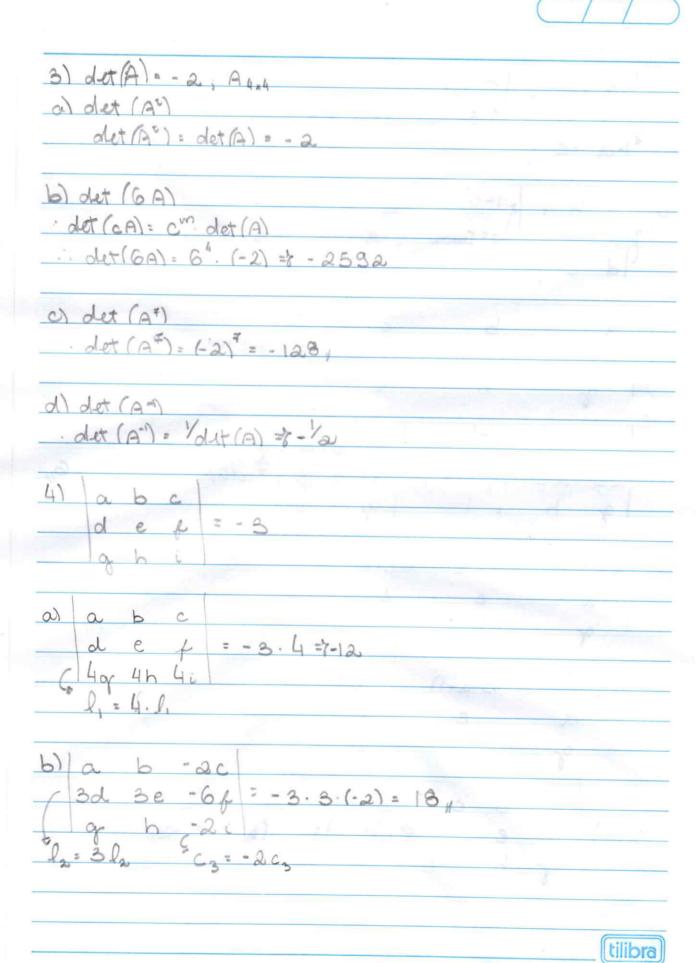


$= 2 (-1)^{1+2} 5 5 5 5 5 5 5 5 5 $	$4.(-1)^{24} \det(A_{1}) + (-4) \cdot (-1)^{24} \det(A_{1})$ $\cdot (-10) + (-4) \cdot (-2)$ $40 + 8 = -32$
4) 3 -1 1 1 1 0 1 0 1 0 1 0 0 1 0 0 1 0 0 1 0 0 0 1 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
-3 3 0	
= 0 0 3 det A = 0	

9) 1 0 0 0 0	
5 1 2 5 3	
7 2 15 0 0	
10 -3 6 1 0	2 2 15 0 15
1-2-3000	
det A = 1. (-1)". (An)	<u> </u>
= 1 2 5 3	
2 15 0 0	J 013-
-3 6 1 0	
-3 0, 0 0	-
det A = 3. (-1)"+(A")	
= -3 2 -15 0	
-3 6 1	F - 7 30 =
1-3 0 0	
= -6 -345 0	
9 -18 -3	11.0
9 0 0	
det A = -3. (-1) (A29)	
= 3 - 6 - 3 - 5	
- 13 0 1	24
= -18 -9-15 = det A = 27	· (-1) · (A _a)
127 01 = -27	. (-915) = 243/5/
	2
h) 13 0 0 0 0 = det A = 3. (-1)	·(A,,)
0000-2 =30	0 0 -2
00200	200
0 0 0 1 0	0 1 0
0-2000 -2	000
1 ma	autra
	folka!
	N'
	1
	FORON

det A: 3: (-1) ³⁺³ (A=3)
= 3 0 0 -6 1
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
2) $A = \begin{pmatrix} 3 - 5 & 7 \\ 4 & 2 & 8 \end{pmatrix}$ $ \begin{array}{c cccccccccccccccccccccccccccccccccc$
b) det (AB) det 12 -15 49 12 -15 -4 0 10 -4 0 3 9 -24 3 9 det = 0 - 450 - 1764 - 0 - 1080 + 1440 FORON: det = -1854

det = 0 - 1728 - 1440 - 0 - 1764 + 720 det = -4212/ d) det (3A - 2C + B)	<u> </u>
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	7
e) $dot (Ac^{\circ})$ $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	0368 + 6480



c) -a -b -c | ~] = -11, 1= 3.(-1) = 3 2= [roca = det (A) = -3 \$ dd(A): 2. (-3): -6, A hata hb+b hc+c a(2+1) b(2+1) c(2+1) f = det (A) = -3(A+1) = -3h+3

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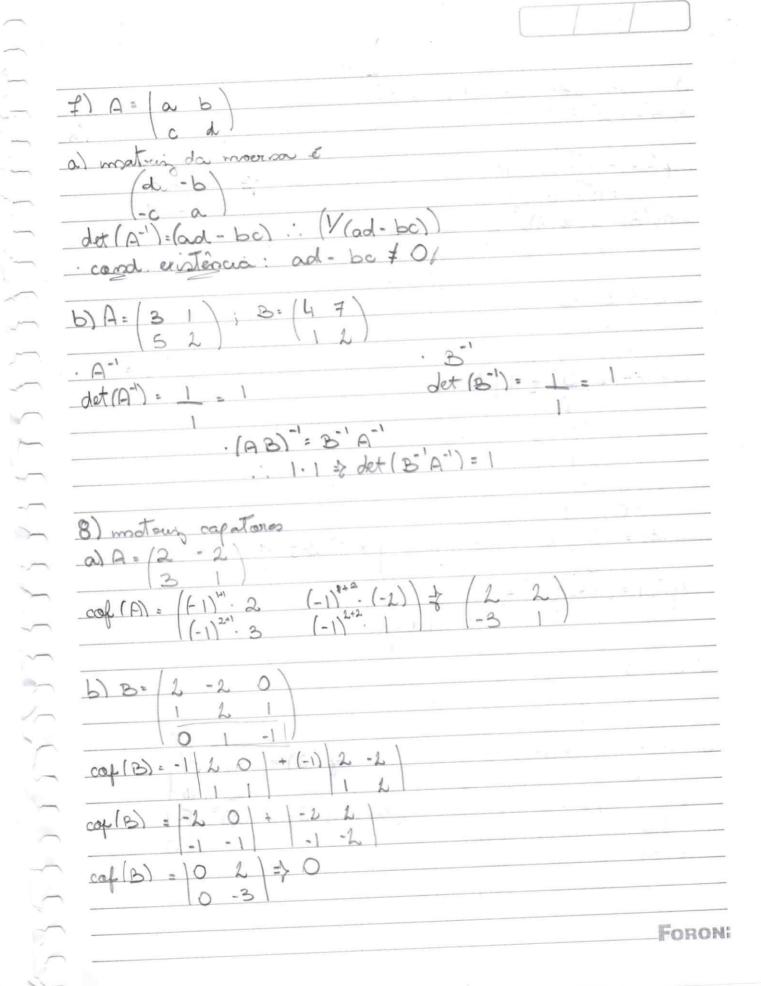
_	
<u></u>	
~	
~	
-	5)
~	det(A) = 10 8 40 =2 10 2
	-5 -7 -80 1
	3 -6 -30 12 1 3
	10
	det (A) = 12. 5 4 20 -1
	2 3 10 -2
>	-5 -7 -30
24	-100/5 12 -1/
-3-	= 120 5 4 2 -1
~	-5-7-3 1
)—	11 -2 -1 4
	=-1 4 2 -1 + (-2) 5 2 -1 -1 5 4 -1
-10	31-2 21-2 23-2
1 -	1-7 3 1 1-5 3 1 1-3 -7
-	+ 4 5 4 2
	2 3 1 .5 -7 3
	11 - 1 -10 -4 2 5 4 -1 20 16 8
	4-2 + -4 -2 4 + 2 3 -2 + 8 12 4
	T -3 -1 10 -6 -2 -5 -7 1 -20 -18 12
	: 120/11-18 10/11-18
	3 12 8 3 12
	-8 -44 10 1-8 -44
	det (A) = 120. (1320 + 1152 - 1320 + 360 - 38 F2 + 540)
5333	= 120. (-1220) = 1-146400 4
	tilibra
Sec. 1	

6 0) 4 6 x 7 4 2x = -128 5 2 -x 2x 7 2 = 128 2. (-6x + 30x + 7x - 10x - 8x + 21x) = 128 68x = -128 = x = -1,89 b) 3 5 7 3 5 2x x 3x 2x x = 39 4-6-7146 21x + 60x + 84x - 28x - 54x - 70x = 39 13x = 39 = x = 3 # c) x+3 x+1 x+4 = - 7 4 9 10 7 (x+3) 5 3 - (x+1) 4 3 + (x+4) 4 5 3 10 10 F (x+3) - (x+1) + (x+4) (-5) = - 7 5/x+15-x-1-5x-20=-7 -k = - | = x = 11

tilibra

6) or singular det = 0	-, -
d) x x+2 = 0 = 2 2+2 =	
1 2	
x2-x-2=0 4-4=0	
(-x-2)(-x+0) 0 = 0	A TOTAL THE
(x= 2	0 2
à	
2-2-0	<u> </u>
0:0	7 - 7 - 17 - 10
ex-403) emoción	el
2 0 x-9 \$ 0	.1,
0 3 0	
3 x-4 0 3	
2 0 x-9 7 0	5/02 Br - 75k
0,10	31 Ca
3 x-4 3 +0	
1 2 x-9	. YO. L. T. L
3 (x - 13x + 36 - 6) \$ 0	1 h 1 n = 70k
-3x2+39x-90 +0:2	
$-x^{2}+13x-30\neq0.(-1)$ $x^{2}-13x+30\neq0$	- Lalbe
(x-3)(x-10)=0	
\$ x = 10	
enquanto x mão twer esses asalores, a mo	The continuous
hove	tisel
	Dd i

or brain of a solution of the continuation of



9) motion adjuntar plemontera inversa
$\frac{3}{(-1)^{1/2}} = \frac{3}{(-1)^{1/2}} = \frac{3}{(-1)^{$
$\frac{\text{ad}_{1}(A) = L \cos(A)}{L} \Rightarrow \frac{2}{L} = 3$
b) B: 2 -4 0
B = -1 2 0 + 1 2 -2
-1 -1 1 1 h
cop (B) = 0 L
ady(B) = [cof(B)] = 7 0 0
C) C: 0 -1 1 2 2 2 2 2 2 2 2 2
C= 11 1 + (-1) 0 1
= -1 0 -2 0
Foroni

AND COURT OF SUPPLY SUP

