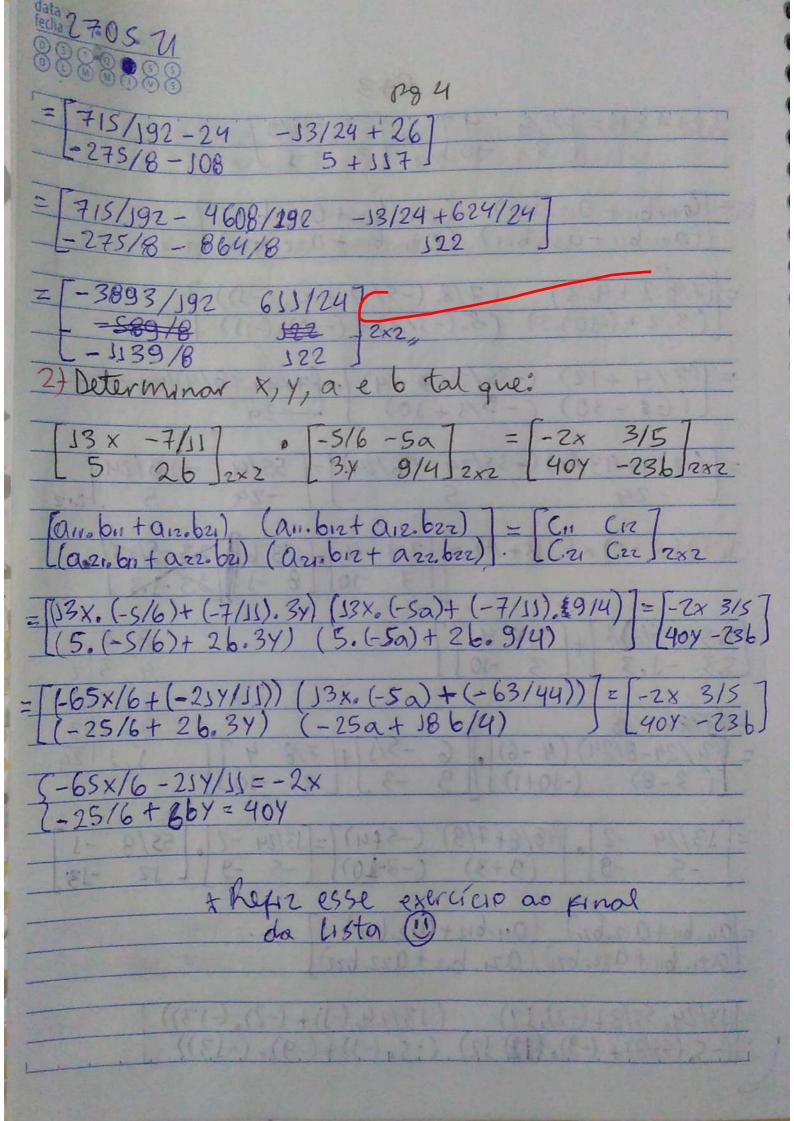
Mome: Gabriel Congalves de Oliverra RA: 2111550021 Professora Dra. Marrisa Atsuko Nitto - 1ºADS Usta de Exercícios - Matemática 1 - Aula 13 17 Dadas as matrizes A= [7/8 4], B= 2 -5/3]
0 (-5/1/2 6) 3-J0]2x2 B= 2 -5/3] 1.01+Bt-3/13. (A+C) ⇒B=[2-5/3], Bt[2 3] $= \begin{bmatrix} 2 & 3 \\ -5/3 & -1 \end{bmatrix} \begin{bmatrix} 7/8 & 4 \\ 3 & -10 \end{bmatrix} + \begin{bmatrix} 1/3 & 6 \\ 8 & -1 \end{bmatrix} \begin{bmatrix} 7/8 + 1/3 \\ 3 + 8 \end{bmatrix}$ $=\begin{bmatrix} 2 & 3 \end{bmatrix} - J \cdot \begin{bmatrix} (23/24 + 8/24) & (4+6) \\ -9/3 & -3 \end{bmatrix} \cdot \begin{bmatrix} (3+8) & (-30+(-3)) \end{bmatrix}$ $= \begin{bmatrix} 2 & 3 & 0 \\ -5/3 & -1 \end{bmatrix} \begin{bmatrix} 3 & 29/24 & 10 \\ 13 & 11 & -11 \end{bmatrix}$ $= \begin{bmatrix} 2 & 3 \end{bmatrix} 0 (29/24.(-1/13)) (30.(-1/13))] = \begin{bmatrix} 2 & 3 \end{bmatrix} 0 (-29/312-10/2) \\ (31.(-1/13)) (-1).(-1/13)) [-5/3-1] 0 (-1/13) 11/13$ = [b1, b12]. [a1, a12] = [(611.a11 + b12.a21) (611.a12 + b12.a22) [62 622] [a21 a22] [(621,a11 + 622.a21) (621.a12 + 622.a21) $= \begin{bmatrix} 2.(-19/312) + 3.(-11/13) & \{2.(-10/13) + 3.11/13 \\ -5/3.(-29/312) + (-1).(-11/13) & -5/3.(-10/13) + (-1).11/13 \end{bmatrix}$ $= \left[\left(-58 / \frac{312}{624} + -33 / 13 \right) \left(-20 / 13 + 33 / 13 \right) \right] = \left[-58 / \frac{312}{245} \right]$ $\left[\left(195 / 936 + 11 / 13 \right) \left(+50 / 39 + -11 / 13 \right) \right] = \left[-58 / \frac{312}{245} \right]$ = (29/156 - 33/13) (33/13) = (29/156 - 33/13) £ 1 (145/936 - 11/13) (50/39 - 33/39) = (145/936 - 11/13) £ 1

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| | 7-6-5-60-5 |
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| 78, 13 2 468, 13 2 4 | 01- 3- 5- |
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| 5, 1 (156 (39, 13 (3) 72 | To to to la |
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| 1, 1 936 | |
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| >= 707/20 | 7 |
| 7 = -367/156 1 | Mod bridge |
| L-647/936 57/39 | 1282 |
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| = [(29/156-33/13) (1)] = [(29/156-396/i [(145/936-11/13) (57/39)] [(145/936-792/9 | 56) (1) 7 |
| T(145/936-11/13) (17/39) 1/146/921 70211 | 17() (17/70) |
| 1193120 3213)1 (2170)1) [(3171)36- +327 | 076) (1+139)] |
| | |
| Pg 2 X | |
| E, | |
| | THE RESERVE OF THE PERSON NAMED IN COLUMN 2 IS NOT THE OWNER. |

P93



data 27.05.21

| P95 | |
|--|-----|
| 3) A solução de sistema s(a-2) x + by = 5 e | 1 |
| x=-7 e $y=5$, Determine $(a+2)x+2by=5$ | |
| 05 valores de de 6. | |
| | |
| $S(a-2)\cdot(-7)+6.5=1$ $56=32$ | - |
| [(a+2), (-7) + 26, 5 = 5] $[b = 32]$ | |
| 5-7a+34+5b=1 | |
| $2-7a-14+10b=5$ $S-7a+5b=-13 \cdot (-2)$ | - |
| (-7a+10b=+19 | - |
| 5-7a +56=1-14 | - |
| 5-7a +56=1-14 \\ 2-7a+10b=5+14 \\ 514a-10b=26+ | |
| 2-7a+306=19 | |
| S - 7a + 56 = -13 (-1) $7a + 0 = 45$ | |
| L-7a+50b=+19 | - |
| 57a-5b=13 + $a=45$ | - |
| 2-70+106=19 | - |
| 0+56=32 | - |
| -10-9-9-0-12-11 SM2581, -14 | |
| (0,6) = (45,32) | |
| (7'5) | |
| | - |
| 2) Determinar x, x, a e 6 tal que: | - |
| [10 -7/11] [5/6x -62] -[-2 3/5] | - |
| $\begin{bmatrix} J3 - 7/Jj \end{bmatrix} \cdot \begin{bmatrix} 5/6 \times -50 \end{bmatrix} = \begin{bmatrix} -2 & 3/5 \\ 40 - 23 \end{bmatrix}_{2\times 2}$ | - |
| LE Z JEAZ () JAOJEXE CA COJEXE | - |
| Taubu+ az bz) (a, b, + a, 2 bzz) = [C11 C12] | 100 |
| [a1, b1, + a12, b21) (a1, b12 + a12, b22) = [C11 C12] [a21, b11 + a22, b21) (a21, b12 + a22, b22) [C21 C22] 2x2 | |
| | |
| = $[(3.(5/6x)+(-7/15).3y)(13.(-5a)+(-7/15).9/46)]=[-2.3/5](5.(5/6x)+2.3y)(5.(-5a)+(-7/15).9/46)]=[-2.3/5](5.(5/6x)+2.3y)(5.(-5a)+(-7/15).9/46)) = [-2.3/5](5.(-5a)+(-7/15).9/46))$ | - |
| (5.(5/6x) + 2.34) (5.(-5a)+ (2.(9/4 b)) 1 40 -23 | لو |

P96

```
= [(65x/6 + (-2)y/J))(-65a + (-636/44))] = [-2 3/5]
= (25x/6 + 6y) (-25a + 186/4)) = [40 - 23]
= 65x/6 m独-25Y/JJ=-2 -23/6
  25×/6+64=40
 65x/6.(-25/6)-214/15.(-25/6)=-2.(-25/6)
  25×16. (65/6) + 64. (65/8) = 40. (65/6)
  -1625x + 175Y/22 = 25/3
                                 565x/6-254/11=-2.6
  +1625x + 65y = 1300/3
                                 (25x/6+6Y=40
    0+175Y+ 1430Y = 1325
                          565×16.(6)-234/11.(6)=-2.6
      1605 Y = 1325
                           [25×/6.(21)+214/11.(21)
        22
                                              = 40.21
     Y= 1325:5.22
        J605:5,3
                        565x -71/11.2 = -12
     Y= 265.27
                        125x.(7)/2-74/15(2)=840+
        321.3
    Y= 58304
                       1605 x -0 = 840 + (-132)
        963
                           22 . 11
                       1605x = 708 → x= 708.2
                                           1605
                                      X= 14167
                                          1605
 5-65 a + (-636/44) = 3/5 (-25)
  -25a+186/4=-23 .(65)
  (-65a.(-25)+1-636/44.(-25) = 3/5.(-25)
 1-25a.(65) + 186/4.(65) = -23.(65)
```

data 728 .05 21 P97 1+1625a + 15756/44 = -75/5 -1625a+ 11706/4= -1495 1625a+15756/44 = -15 -1625a+5856/2 =- 1495 0+ 15756+ 5856 = - 1510 5-65a+(-636/44)=3/5 44 7-25 a+ 186/4=-33 15756 + 128706 = -1510 TE 44 144456=-1510 (-65 a 4-636/44=3/5 (18/4) 44 2 1 2-25a+186/4=-23 (63/44) 6=-1510.44 5-65 a. (18/4) - 636/44. (18/4) = 3/5-18/4 19445 6= - 66440 \$5 (-Isa. (18/4) + 18' 4 94 (-25a. (63/44) + 18 6/4. (63/44) = -23. (63/44) 14445 : 5 6= 13288 2889 (-1)70a/4-13346/11=54/20 (-1575a/44+11346/11=-1449/44 44,20 2)4 ~##D 27, 10 -1575a - 1170a = -1449 +54 -1575 a-128700= -7245+594 1220 44 220 - 144450= 7-839 -6651 220 220 "A cada dia 14445a = 6651 novos aprendi-44 % 220 rados ". Obrigodo a= 6651.44 por tudo 14445 proxessora a= 292644:9 = a= 32516 14445 :9 1605