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Motematica 1-lista de Exercícios	-

LA Dadas as matrices A: determinar:	= []	-8	700	e B=	7	10	7
determinas	14	15	1 de	-	1-14	9	1
accor rigran.	1-15	7	12×2		13	0	3x2

1.1) A-S.B=C

$$\begin{bmatrix} 1 & -8 \end{bmatrix} (7.5) (10.5) \begin{bmatrix} 1 & -8 \end{bmatrix} \begin{bmatrix} 35 & 50 \\ 4 & 51 \end{bmatrix} - (-54.5) (9.5) = 4 & 51 \\ -15 & 7 \end{bmatrix} (3.5) (0.5) \begin{bmatrix} -15 & 7 \end{bmatrix} \begin{bmatrix} 15 & 0 \end{bmatrix}$$

1.27B+7.A=C

TZ	10	7	T(1.7)	(-8,7)	7	7	10	1	[7	-56	
1-14	9	+	(4,7)	(11.7)	=	-14	9	+	28	77	
13	0 -		(-15.7)	(7.7)		13	0	18	1-105	49	

1			
K.A= (-17/5)	(3,-7/0)	(7,-7/5)	(a) AND
			and a very service fil
-1(97/5)	(5/4-7/5)	(-t. 117)	
- 1(5, -7/5)	(27/5)	(-2/77/5))	SALES OF THE SALES
110	(40 112)		

K.A=	7/5	-2115	-49/5	= 7/5	-21/5	-4915	1
			49/5		-7/4	4975	1
12/19	-35/5	-14/5	14/35	-7	-14/5	14/35	383

2.27 Para K=5, determinar: K.A

$$k.A = [(-).5)(3.5)(7.5) -5 J5 35$$

 $(9.5)(5/4.5)(-7.5) = 45 25/4 -35$
 $(5.5)(2.5)(-2/7.5) = 25 J0 -J0/7 J3 x 3$

3+ Escreva em forma de tabela a matriz A e B dadas por:

$$A = (a_{1})_{2\times3}$$
, com $a_{1} = -2 \cdot f(i) + f(j)$, com $f(x) = -x^{2} + 3$
 $B = (b_{1})_{2\times3}$, com $b_{1} = -i^{2} - (-j)^{2}$

$$f(1)=-1^2+3=-1+3=2$$
 $f(3)=-3^2+3=-9+3=-6$
 $f(2)=-2^2+3=-4+3=-1$

$$a_{11} = -2.2 + 2 = -4 + 2 = -2$$
 $a_{12} = -2.2 + (-1) = -4 - 1 = -5$
 $a_{13} = -2.2 + (-6) = -4 - 6 = -10$

$$024 = -2.(-5) + 2 = 2 + 2 = 4$$
 $021 = -2.(-5) + 2 = 2 + 2 = 4$
 $022 = -2.(-5) + (-5) = 2 - 5 = 5$
 $023 = -2.(-1) + (-6) = 2 - 6 = -4$

$$b_{11} = -\int_{2}^{2} -(-\int_{1}^{2} = -\int_{1}^{2} -1 - \int_{1}^{2} = -2$$

$$b_{12} = -\int_{2}^{2} -(-2)^{2} = -J - 4 = -5$$

$$b_{13} = -\int_{2}^{2} -(-3)^{2} = -J - 9 = -J_{01}$$

$$621 = -2^{2} = (-1)^{2} = -4 - 1 = -5$$

 $622 = -2^{2} - (-2)^{2} = -4 - 4 = -8$
 $623 = -2^{2} - (-3)^{2} = -4 - 9 = -13$ + Determinar

3017A-B=C

$$\begin{bmatrix}
-2 - 5 - 50 \\
4 5 - 4
\end{bmatrix} = \begin{bmatrix}
-2 - 5 - 50 \\
-5 - 8 - 53
\end{bmatrix} = \begin{bmatrix}
6(-2+2) (-5+5) (-50+10) \\
4+5) (-4+13)
\end{bmatrix}$$

$$= \begin{bmatrix}
0 & 0 & 0
\end{bmatrix} = \begin{bmatrix}
-2 - 5 - 5 & -50 \\
-5 - 8 & -53
\end{bmatrix} = \begin{bmatrix}
-5 - 8 & -53
\end{bmatrix} =$$

$$\begin{bmatrix} -2 & -5 & -107 - \begin{bmatrix} -2 & -5 & -107 = \begin{bmatrix} (-2+2)(-5+5)(-10+10) \end{bmatrix} \\ -5 & -8 & -13 \end{bmatrix} \begin{bmatrix} 4 & 1 & -4 \end{bmatrix} \begin{bmatrix} (-5-4)(-8-1)(-13+4) \end{bmatrix}$$

$$= \begin{bmatrix} 0 & 0 & 0 \\ -9 & -9 & -9 \end{bmatrix}_{2\times3}, \log_{0} \begin{bmatrix} -9 & -9 & -9 \\ -9 & -9 & -9 \end{bmatrix}_{2\times3}$$

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