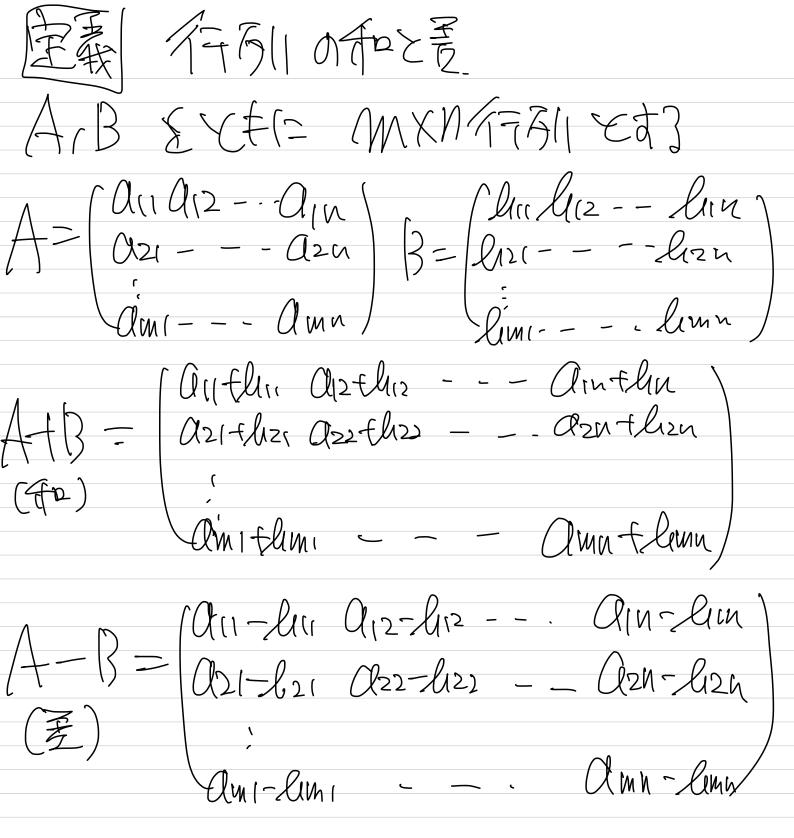
第3回个开列的童草 S((4) 2) A = 11 to a to 分下ろりといか 作有11月至717人 和原长 211年1



$$A = \begin{pmatrix} 1 & -2 & 8 \\ 2 & 5 & -1 \end{pmatrix} B = \begin{pmatrix} -2 & 5 & 1 \\ 3 & -1 & 2 \end{pmatrix}$$

$$A + R = \begin{pmatrix} 1 & +(-2) & -2 & +5 & 8 & +1 \\ 2 & +3 & 5 & +(-1) & -1 & +2 \end{pmatrix}$$

$$= \begin{pmatrix} -1 & 3 & 9 \\ 5 & 4 & 1 \end{pmatrix}$$

$$A - R = \begin{pmatrix} 1 & -(-2) & -2 & -5 & 8 & -1 \\ 2 & -3 & 5 & -(-1) & -1 & -2 \end{pmatrix}$$

$$= \begin{pmatrix} 3 & -7 & 7 \\ -1 & 6 & -3 \end{pmatrix}$$

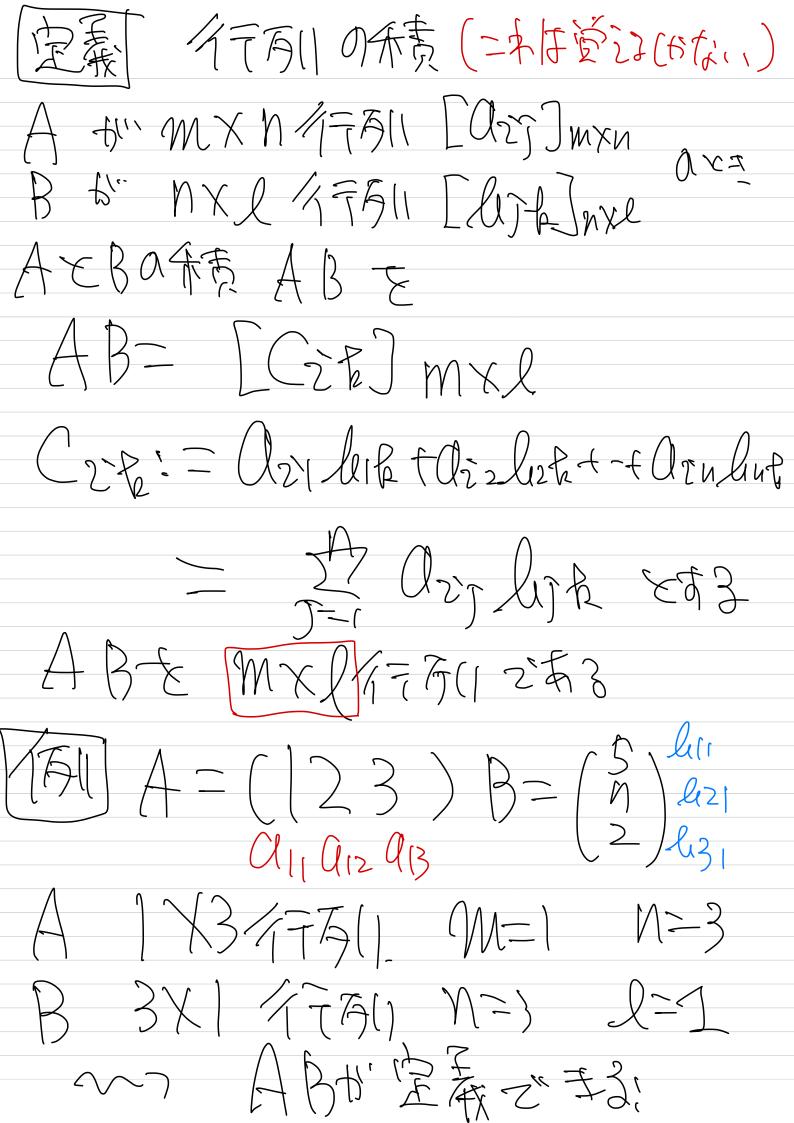
B = (58) (5/12) A=(3/1) A+B= (3+2 1+5 1+7-) - (58) 4+8) - (612) $\begin{pmatrix} 1 & -6 \\ 4 & 8 \end{pmatrix} = \begin{pmatrix} -6 & -4 \\ -4 & -4 \end{pmatrix}$ 1513 A= (2) B= (467) & 3. A+Bは2いまない(定義なない) Cony?! ACBOF! 5"56"S.

.和C至对性質 (dr'20 px 75 0 0 17411) A-B- B-A A+0=A. (O(\$\frac{1}{2}(7761))
= ()+A · (A+B)+(= A+(B+C) t (A+B) = tA++B (Z+A(") 堂新(7+5一倍) (MYNATEV) (主教(案数の交复新数)[=7112 (7+3-xEnf) ANCIECAE < all CA= (CQ21 -. (am) - - -

$$\begin{array}{l}
\overline{A} = \begin{pmatrix} 1 - 28 \\ 25 - 1 \end{pmatrix} & C = 3a & 4 \\
CA = 3 \begin{pmatrix} 1 - 28 \\ 25 - 1 \end{pmatrix} \\
= \begin{pmatrix} 3x & 3x & (-2) & 3x & 8 \\
3x & 2 & 3x & 5 & 3x & (-1) \end{pmatrix} \\
= \begin{pmatrix} 3 & -6 & 24 \\ 6 & 15 & -3 \end{pmatrix} \\
CA = \begin{pmatrix} -1 & (-2)$$

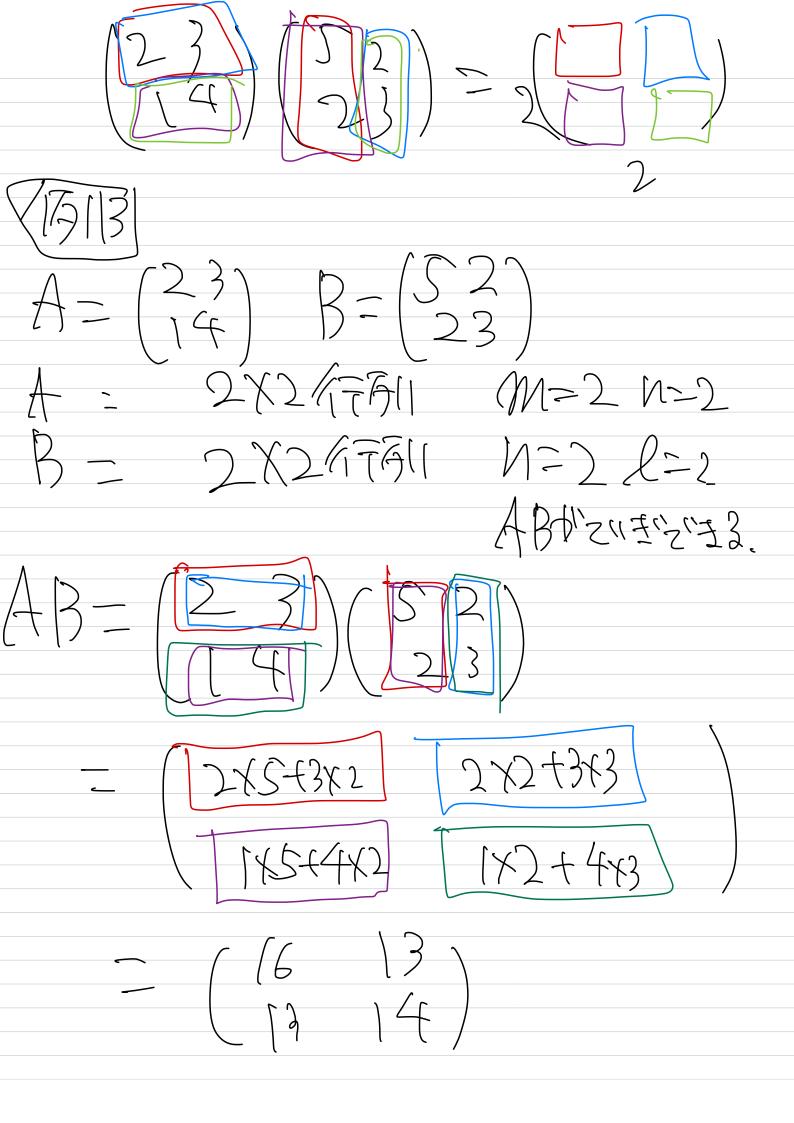
了十一个多个好意 04 = (H) Aを -Aてかくことにするて A+(-A) =0

(ah)A = a(hA)



AB) X1 /7=51 (Mx24=411) AB= ((11) < \$3~ C11 = a, lu + a, lu + a, lu, 7=1 7=1 = 115 + 211 + 312254(466 - 23 AB= (25) /X1/77511 $\frac{\partial x}{\partial x} = \frac{\partial x}{\partial x} = \frac{\partial x}{\partial x}$ $\frac{\partial x}{\partial x} = \frac{\partial x}{\partial x} = \frac{\partial x}{\partial x}$ A: 2x2 /17511 M=2h=2 B = 2X /77/1 N = 2 /= 1 ~> ABHITE 2522 24 (FAII (MYL)

(C11) Efc. and tal 2/21 2=(8=(271 = 16 + 2 = (121 A11 + Q22 l121 2-2 8=1 = 4 x5 + 3 x] - 20 +3 -23 $\begin{pmatrix} C & 1 \\ G & 2 \end{pmatrix} = \begin{pmatrix} 12 \\ 23 \end{pmatrix} = \begin{pmatrix} 12 \\ 23 \end{pmatrix} = \begin{pmatrix} 12 \\ 4 \end{pmatrix}$ 二二〇至河上于至天门大桥市、石水江公安大



$$BA = (52) (73)$$

$$BA = (52) (74)$$

$$= (52) (74)$$

$$= (2x2+3x) (2x3+3x4)$$

$$= (12 23)$$

$$= (78)$$

$$= (18)$$

$$AB + BA (73)$$

$$(AB-BA(13+12)^{3}511)$$

$$(AB-BA(13+12)^{3}511)$$

$$(AB-BA(13+12)^{3}511)$$

A- (2 -3) 2X3/1=411 B= (8952) X497611 AB (FEE) ATIM Why? ANTIC BOGTO \$2500 5500 55 AD = O = OA (O室所列) AE = EA = A (E氧低行列) ${}^{a}(AB)C = A(BC)$ ${}^{a}(AB) = ABA$

· A: ET/17311 (MXM/77311) [12 様人・ーー・人をAnてかく a Ah = 0 to 3 179117 117511 "有是不力了一人主、乔克州生然 « O(AB) = QA) } (a, b, ₹2) A(B, C/17A1) $\alpha(A+B) = \alpha A + \alpha B$ (ath) A = aAthA A (BEC) = AB + AC · (A-1B) C = AC+BC

海祖是

2.一次的月子()之、开贡之次是是2年3 《对本书世生主义从、元的干费专计算代本

$$A = \begin{pmatrix} 2 \\ 1 \\ -1 \end{pmatrix} B = \begin{pmatrix} 32 \\ 41 \end{pmatrix} C = \begin{pmatrix} 201 \end{pmatrix} D = \begin{pmatrix} 23 \\ -14 \end{pmatrix}$$

$$\begin{array}{c|c}
\hline(81) \\
\hline(059) \\
\hline(-101) \\$$

2 x(x3x2464)x3 282+38(-3)+(-1)x97 2x5+3x(-6)+(+)x4 0x2+5x(3)+4x1 0x5+5x(-6)+4x4 08775827983 -1x2+0x(-3)+(-2)x) -1x5+0x(-6)+(-)x4 -1x1+0x2+(-2)x3 4-9-7 10-18-4 14-46-3 0-(5+28 -30 +16 0-1/0-1/2 -2+0-4-5+0-8 ~ () to-6 -() -()| (3 22 -(4 $\sim \left(\frac{3}{3}\right)$ イテろいの計算に Excel, Python C+t 172 < 23

2.
$$\frac{1}{2}$$
 $\frac{1}{2}$ \frac

8x1) ~ [x3) 2573 AC 3×3/15/5/1 13 × 3x1 z"=3 177) X (26) 3/1/2/2/2 41) 2/2 < 3/1 $3\chi2 < \chi3$ 4()

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(CB) & (X3 \times 3X2 &$$

CD (X3 × 2 × 2 × 1) D(2x2x]x3 41) 大型 有卖的"空生了人对好事" AC CA CB BD $AC = \begin{pmatrix} 4 & 0 & 2 \\ 2 & 0 & 1 \\ -2 & 0 & -1 \end{pmatrix}$ JAtho NZ, LEGA, CA = (3)でかるお目で CB = (65)不管を引え Envor 11,5,3 に発生別より