$$\frac{1}{3} \begin{pmatrix} 1 & -2 \\ 3 & 0 \end{pmatrix} + \begin{pmatrix} 4 & -1 \\ 0 & 5 \end{pmatrix} = \begin{pmatrix} 1 & +4 & -2 + (-1) \\ 3 & 0 \end{pmatrix} = \begin{pmatrix} 5 & -3 \\ 3 & 5 \end{pmatrix}$$

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

$$\frac{1}{3} \begin{pmatrix} 1 & -2 \\ 3 & 0 \end{pmatrix} \times \begin{pmatrix} 4 & -1 \\ 0 & 5 \end{pmatrix} = \begin{pmatrix} 1 & 4 + (-2) & 0 & 1 & (-1) & 1/4 \\ 3 & 4 & 0 & 3 & (-1) & 1/4 \end{pmatrix} = \begin{pmatrix} 4 & -11 \\ 12 & -3 \end{pmatrix}$$

$$\frac{3}{3} \begin{pmatrix} 4 & -11 \\ 12 & -3 \end{pmatrix} = \begin{pmatrix} 3 & 1 & 3 & 7 \\ 3 & 5 & 1/4 \end{pmatrix} + \begin{pmatrix} 3 & 21 \\ 9 & -18 \end{pmatrix}$$

$$\frac{3}{3} \begin{pmatrix} 3 & -11 \\ 2 & 3 \end{pmatrix} = \begin{pmatrix} 2 & 0 & 2 & 5 \\ 2 & 2 & 1/4 \end{pmatrix} + \begin{pmatrix} 3 & 21 \\ 4 & 2 \end{pmatrix}$$

$$\frac{3}{3} \begin{pmatrix} 4 & -2 & 1 \\ 1 & 1 \end{pmatrix} + \begin{pmatrix} 4 & 2 & 4 & 1/4 \\ 1 & 1 \end{pmatrix} = \begin{pmatrix} 4 & 2 & 4 & 1/4 \\ 4 & 1 \end{pmatrix}$$

$$\frac{3}{3} \begin{pmatrix} 4 & -2 & 1 \\ 1 & 1 \end{pmatrix} + \begin{pmatrix} 4 & 2 & 4 & 1/4 \\ 1 & 1 \end{pmatrix} = \begin{pmatrix} 4 & 1 & 4/4 \\ 4 & 1/4 \end{pmatrix}$$

$$\frac{3}{3} \begin{pmatrix} 4 & -2 & 1 \\ 1 & 1 \end{pmatrix} + \begin{pmatrix} 4 & 2 & 1/4 \\ 1 & 1/4 \end{pmatrix} = \begin{pmatrix} 1 & -2 \\ 1 & 1/4 \end{pmatrix}$$

$$\frac{3}{3} \begin{pmatrix} 4 & -2 & 1/4 \end{pmatrix} + \begin{pmatrix} 4 & 1/4 \\ 1/4 \end{pmatrix} + \begin{pmatrix} 4/4 & 1/4 \\ 1/4 \end{pmatrix} = \begin{pmatrix} 3 & -1/4 & 1/4 \\ 1/4 & 1/4 \end{pmatrix}$$

$$\frac{3}{3} \begin{pmatrix} 4 & -2 & 1/4 \\ 1/4 & 1/4 \end{pmatrix} + \begin{pmatrix} 4/4 & 1/4 \\ 1/4 & 1/4 \end{pmatrix}$$

$$\frac{3}{3} \begin{pmatrix} 4 & -2 & 1/4 \\ 1/4 & 1/4 \end{pmatrix} + \begin{pmatrix} 4/4 & 1/4 \\ 1/4 & 1/4 \end{pmatrix}$$

$$\frac{3}{3} \begin{pmatrix} 4 & -2 & 1/4 \\ 1/4 & 1/4 \end{pmatrix} + \begin{pmatrix} 4/4 & 1/4 \\ 1/4 & 1/4 \end{pmatrix}$$

$$\frac{3}{4} \begin{pmatrix} 4 & -1/4 \\ 1/4 \end{pmatrix} + \begin{pmatrix} 4/4 & 1/4 \\ 1/4 \end{pmatrix}$$

$$\frac{3}{4} \begin{pmatrix} 4 & -1/4 \\ 1/4 \end{pmatrix} + \begin{pmatrix} 4/4 & 1/4 \\ 1/4 \end{pmatrix}$$

$$\frac{3}{4} \begin{pmatrix} 4 & -1/4 \\ 1/4 \end{pmatrix} + \begin{pmatrix} 4/4 & 1/4 \\ 1/4 \end{pmatrix}$$

$$\frac{3}{4} \begin{pmatrix} 4 & -1/4 \\ 1/4 \end{pmatrix} + \begin{pmatrix} 4/4 & 1/4 \\ 1/4 \end{pmatrix}$$

$$\frac{3}{4} \begin{pmatrix} 4 & -1/4 \\ 1/4 \end{pmatrix} + \begin{pmatrix} 4/4 & 1/4 \\ 1/4 \end{pmatrix}$$

$$\frac{3}{4} \begin{pmatrix} 4 & -1/4 \\ 1/4 \end{pmatrix} + \begin{pmatrix} 4/4 & 1/4 \\ 1/4 \end{pmatrix}$$

$$\frac{3}{4} \begin{pmatrix} 4 & -1/4 \\ 1/4 \end{pmatrix} + \begin{pmatrix} 4/4 & 1/4 \\ 1/4 \end{pmatrix}$$

$$\frac{3}{4} \begin{pmatrix} 4 & -1/4 \\ 1/4 \end{pmatrix} + \begin{pmatrix} 4/4 & 1/4 \\ 1/4 \end{pmatrix}$$

$$\frac{3}{4} \begin{pmatrix} 4 & -1/4 \\ 1/4 \end{pmatrix} + \begin{pmatrix} 4/4 & 1/4 \\ 1/4 \end{pmatrix}$$

$$\frac{3}{4} \begin{pmatrix} 4 & -1/4 \\ 1/4 \end{pmatrix} + \begin{pmatrix} 4/4 & 1/4 \\ 1/4 \end{pmatrix}$$

$$\frac{3}{4} \begin{pmatrix} 4 & -1/4 \\ 1/4 \end{pmatrix} + \begin{pmatrix} 4/4 & 1/4 \\ 1/4 \end{pmatrix}$$

$$\frac{3}{4} \begin{pmatrix} 4 & -1/4 \\ 1/4 \end{pmatrix} + \begin{pmatrix} 4/4 & 1/4 \\ 1/4 \end{pmatrix}$$

$$\frac{3}{4} \begin{pmatrix} 4 & -1/4 \\ 1/4 \end{pmatrix} + \begin{pmatrix} 4/4 & 1/4 \\ 1/4 \end{pmatrix}$$

$$\frac{3}{4} \begin{pmatrix} 4 & -1/4 \\ 1/4 \end{pmatrix} + \begin{pmatrix} 4/4 & 1/4 \\ 1/4 \end{pmatrix}$$

$$\frac{3}{4} \begin{pmatrix} 4 & -1/4 \\ 1/4 \end{pmatrix} + \begin{pmatrix} 4/4 & 1/4 \\ 1/4 \end{pmatrix}$$

$$\frac{3}{4} \begin{pmatrix} 4 & -1/4 \\ 1/4 \end{pmatrix} + \begin{pmatrix} 4/4 & 1/4 \\ 1/4 \end{pmatrix}$$

$$\frac{3}{4} \begin{pmatrix} 4 & -1/4 \\ 1/4 \end{pmatrix} + \begin{pmatrix} 4/4 & 1/4 \\ 1/4 \end{pmatrix}$$

$$\frac{3}{4} \begin{pmatrix} 4 & -1/4 \\ 1/4 \end{pmatrix} + \begin{pmatrix} 4/4 & 1/4 \\ 1/4 \end{pmatrix}$$

$$\frac{3}{4} \begin{pmatrix} 4 & -1/4 \\ 1/4 \end{pmatrix} + \begin{pmatrix} 4/4 & 1/4 \\ 1/4 \end{pmatrix}$$

$$\frac{3a0a une 4}{4} = 452$$

$$A = 452$$

$$4 = 452$$

$$1 - 23$$

$$= 450$$

$$4 = 450$$

$$11 = 413$$

$$4 = 452$$

$$11 = 413$$

$$4 = 450$$

$$11 = 450$$

$$14 = 450$$

$$14 = 450$$

$$14 = 450$$

$$15 = 450$$

$$16 = 450$$

$$17 = 450$$

$$18 = 450$$

$$19 = 450$$

$$19 = 450$$

$$19 = 450$$

$$19 = 450$$

$$29 = 410$$

$$29 = 410$$

$$29 = 410$$

$$29 = 410$$

$$29 = 410$$

$$29 = 410$$

$$29 = 410$$

$$29 = 410$$

$$29 = 410$$

$$29 = 410$$

$$29 = 410$$

$$29 = 410$$

$$29 = 410$$

$$29 = 410$$

$$29 = 410$$

$$29 = 410$$

$$29 = 410$$

$$29 = 410$$

$$29 = 410$$

$$29 = 410$$

$$29 = 410$$

$$29 = 410$$

$$29 = 410$$

$$29 = 410$$

$$29 = 410$$

$$29 = 410$$

$$29 = 410$$

$$29 = 410$$

$$29 = 410$$

$$29 = 410$$

$$29 = 410$$

$$29 = 410$$

$$29 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

$$20 = 410$$

det | Sin X - Cos X | = Sin X. Sin X - 1-Cosx $x \cos x = (\sin(x))^{2} - (-\cos(x))^{2} =$

= Sin(2x) - (Sin(2x)) = 0

det | 8 4 6 | = 8.5.9 - 4.0.9 + +4.1.0-6.5.0+0.0.6--1.0.8 = 360det | 2 3 4 | = 2.6.6 - 4.6.8 + 3.7.8 - 2.7.9 + 4.5.9 - 3.5.6 = 0Jadaya 7 No chois chan Octopmunantoh: det(A2) = det(A.A) = detA. · de + A = 4.4 = 16 det(AT) = det(A) = 4 det (2A) = 2 det(A) = 2".4 = $=2^{h}.2^{2}=2^{2+h}$

.

Salaya 8 B Bups Hile une it ma Thuye Cerepinnant = 0 4 naodopor. Hasten det (-27-3) = = (-2)(-14)(13) + 7.6.(-3) + (-3).4.7- (-3) (-14) (-3) - (-2) · 6 · 7 - 7 · 4 · 13= = 0. Ma Juga Borpo mase u una 3ada4a 9 Pang = [1 1:1] Me Tod o Latin es Louge x. det (12) = -1 70 preste to rope 29 det / (123) = 0Phyrux unhefoli hes, paux names mafrages =2

3adaya 9 um who b Me To d O Racin us busux $\begin{pmatrix}
0 & 0 & 2 & 1 \\
0 & 0 & 2 & 2 \\
0 & 0 & 3 & 4 \\
2 & 3 & 5 & 6
\end{pmatrix} =
\begin{pmatrix}
-\frac{1}{2} & \frac{2}{2} & 0 & 0 \\
-\frac{1}{2} & \frac{2}{2} & 0 & 0 \\
4 & 3 & 0 & 0 \\
6 & 5 & 2 & 3
\end{pmatrix}$ $det \left(\frac{12}{22} \right) = -2 \neq 0$ $0/24 \left(\frac{220}{430} \right) = 4 \neq 0$ de 4 (2200) = 0, Myrux de 4 (4300) = 0, Myrux de 4 6523) 4-00 heped 14

hames marfuger = 3