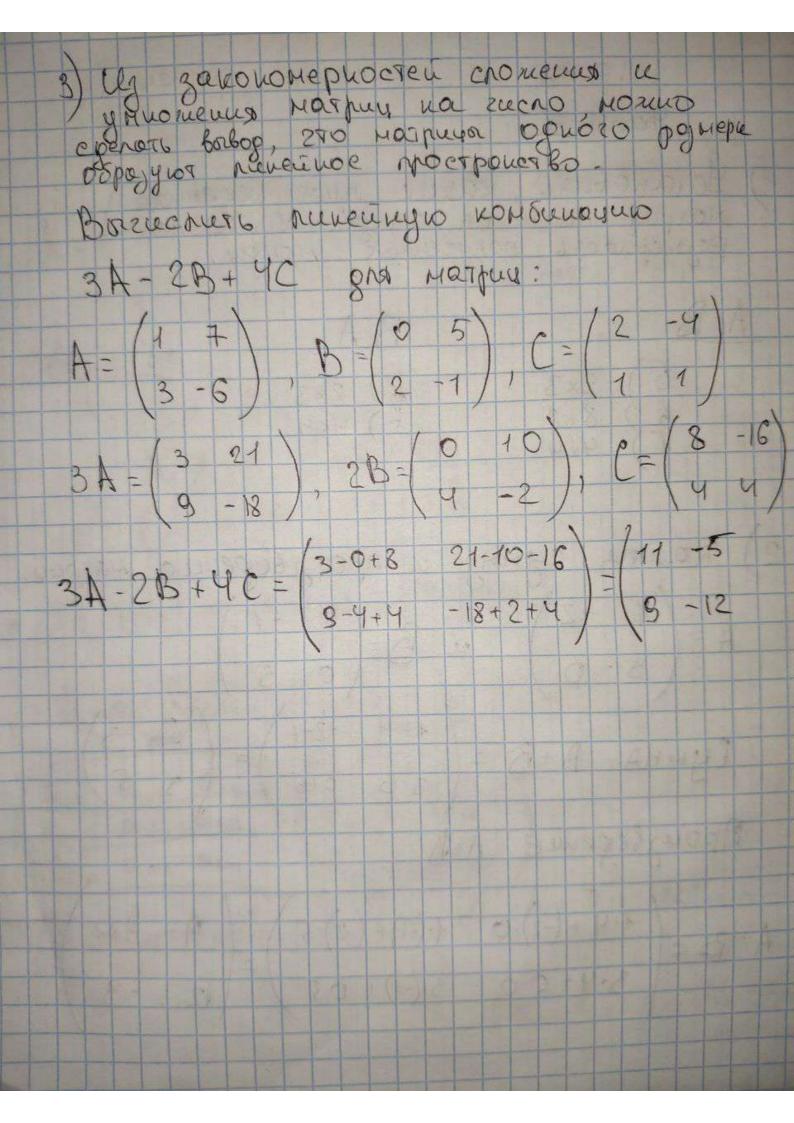
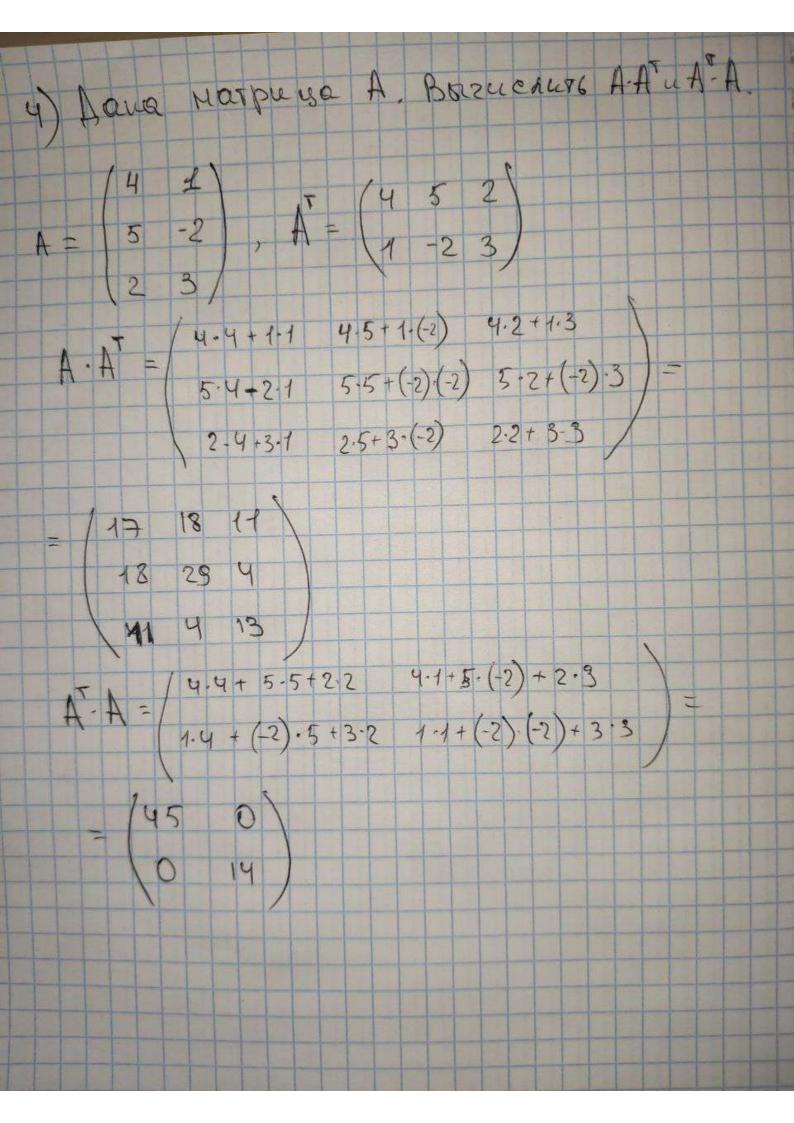
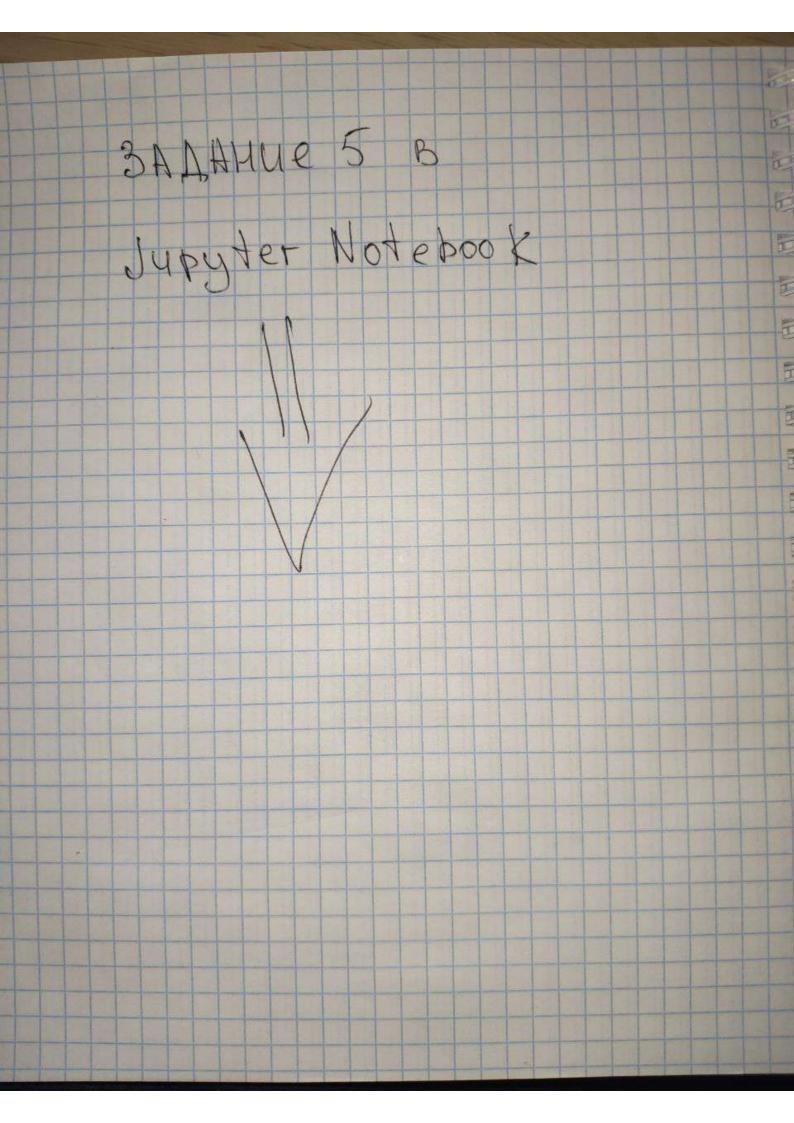
MATpuyon u mat puruae onepoyuu 4ac86 1 1) Yeranoburg, Kakue npou begennes narpuy AB i BA onpegenense, le mairie posnepuocis nongrennos morphy. BA 6) 2×3 6) 8×8 1) 4×4 B) 3×3 2) Найчи сумму и прощведение матрия. $A = \begin{pmatrix} 1 & -2 \\ 3 & 0 \end{pmatrix}$ & $B = \begin{pmatrix} 4 & -1 \\ 0 & 5 \end{pmatrix}$ CYMHA A+B = (1+4 -2-1) = (5 -3) 3+0 0+5 = (3 5) Mpourbepenue A.B $A \cdot B = \begin{pmatrix} 1.4 + (-2).0 & 1.(-1) + (-2).5 \\ 3.4 + 0.0 & 3.(-1) + 0.5 \end{pmatrix} = \begin{pmatrix} 4 & -11 \\ 12 & -3 \end{pmatrix}$







(4) Hact 6 2 1) Borenchust onpegenurens: a) sinx -cosx = sinx sinx - cosx (-cosx) = 1 8) 9 2 3 = 4-5-9= 180 2 3 = 1.5 6 = 2 4 6 + 3 4 5 = 8 9 = 7 8 9 = 7 8 = = 1. (5.9-8.6) - 2. (4.9-7.6) + 3. (4.8-7.5) = = 1.(-3)-2.(-6)+3.(-3)=-3+12-9=0

3 2) Onpegenurens narpager A poseu 4. Hauque. 8) det(AT) = 4 -6) det(2A) - 2". det(A) = 2".4 3) Доказать гто матрине варонденоз $A = \begin{pmatrix} -2 & 7 & -3 \\ 9 & -19 & 6 \end{pmatrix}$ $A = \begin{pmatrix} -3 & 7 & 13 \\ -3 & 7 & 13 \end{pmatrix}$ $A = \begin{pmatrix} -4 & 4 & 4 & 4 \\ 4 & 13 & -7 & 13 \end{pmatrix}$ $A = \begin{pmatrix} -2 & 7 & 13 & -7 & 13 \\ 4 & 13 & -7 & 13 \end{pmatrix}$ =-2(-14.13-7.6)-7(4.13+3.6)-3(4.7+3.44)= = 448-480+42=0 Motpuga Abraerca bapongention, Ex det A = 0

· 4) Hawre pour marpuson tee Третья строка авп-ся сумной первой и второй Boistem y moto bropoù espoka, neplyw. tank = 2

