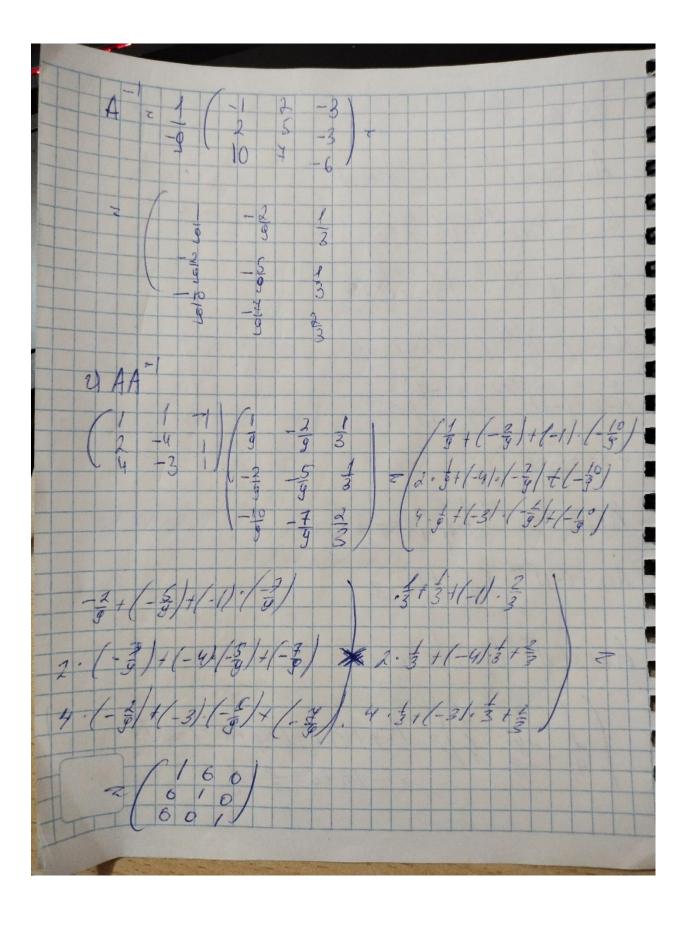
Mas Non Bapupaein 3 Nel = 2-1-16+9-12-12/-4/8-6+32-6/= = - 258 5 0 0 4 = -1(-16+3-4-12)-2(-8+8715-20+6-8)+ +4(16+12+40-12)-(-16+9+80+121--258

2 5 -3 4 -3 Q a) A.B= 1-1+1-2+1-13.4 10+15+1-11-13/1-1-9/11-1-3/11-12= 1-1+1-2+1-4 20+(-4)-5+1-1-3) 20(-4)+(-4)-3/+1-1-1 1+(-3/-2+1-4) 20+(-4)-5+1-1-3/ 4.(-4)+(-3/-3/-12 BoA = (1-1+0.2+1-91.41 4.1+1-31-212.4 1.(-1/+0.1+1-4/) 1.1+0.(-4/4/-4/-(-3) 2.1+5.(-4)+1-31.(-3) 2. (-1/+5./+/-3/1) 2 4.1-1/+/-3/- 1/2-1 4.17(-3)-(-4/42.1-3) -5

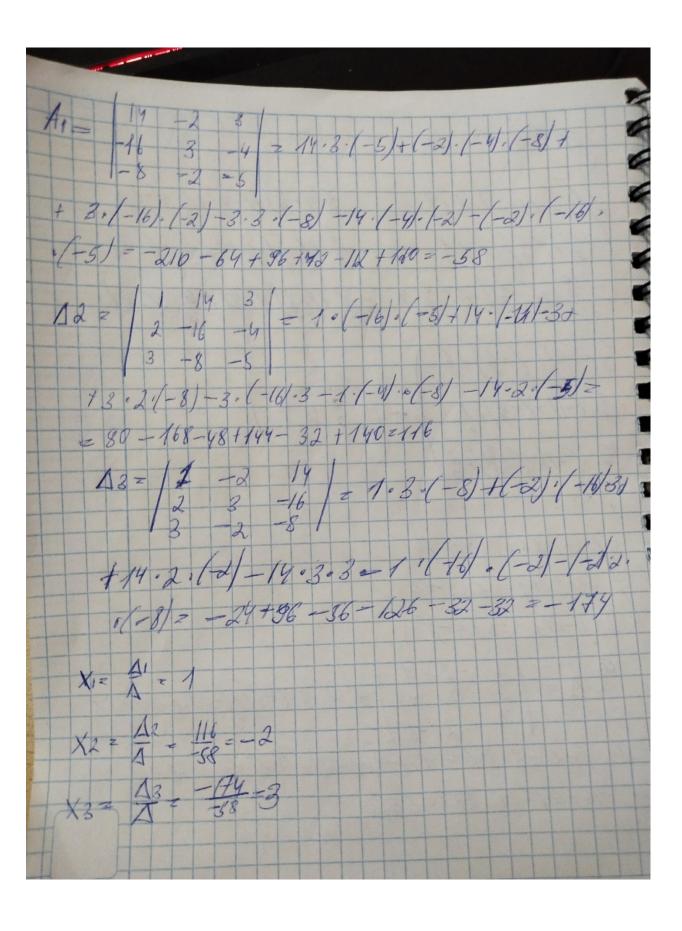
B) A

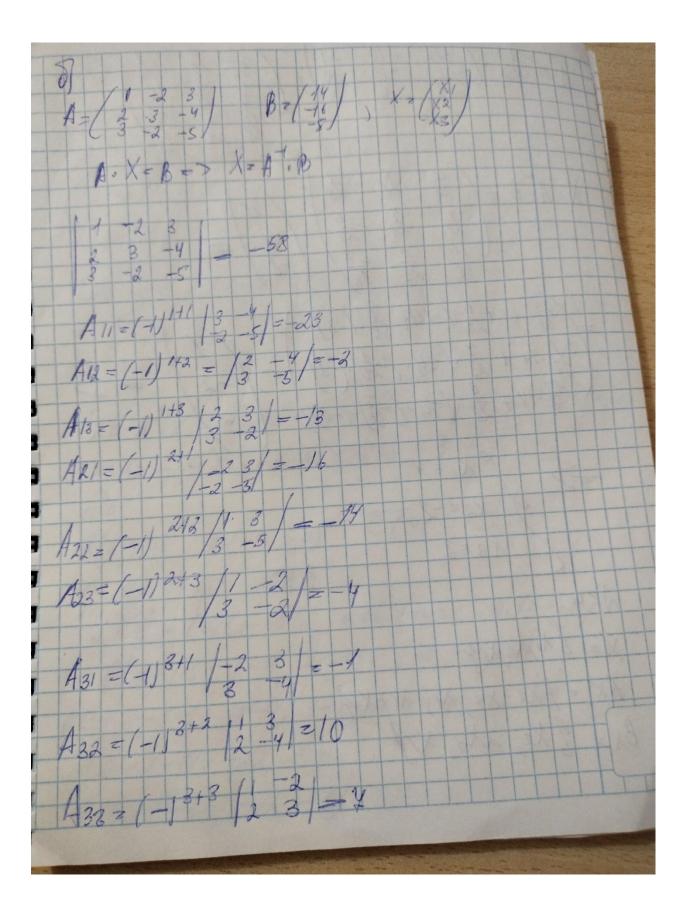
A11 = (-1) 1/2 / -4 // - -1

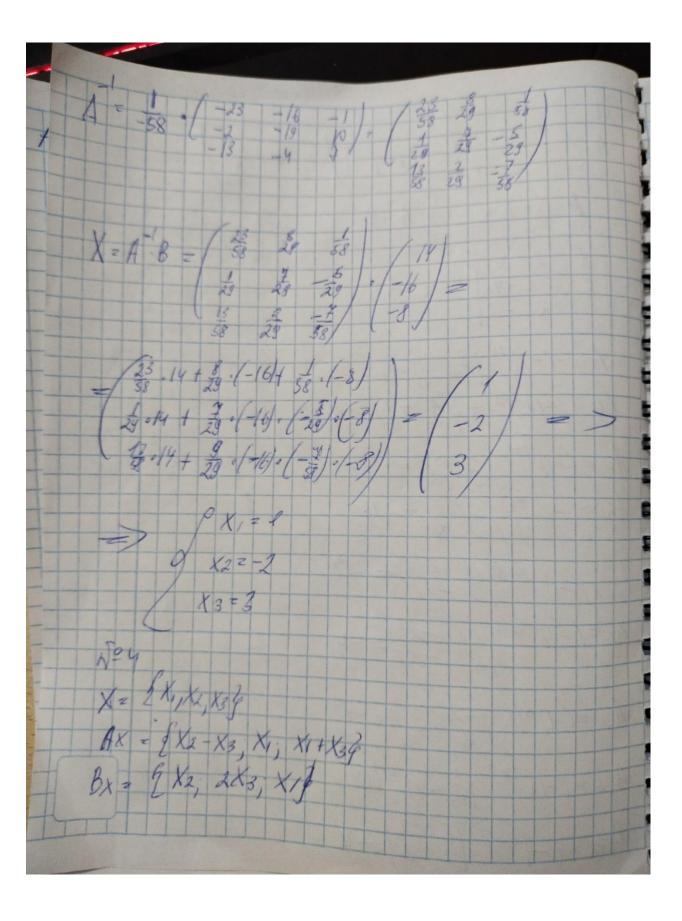
A12 = (-1) 1/2 / 4 // = 2 A13 - (-1) 17 3 /2 -4/2 10 A22 2/-11 2+2/4 -1/=5 A 23 = (-1) 2+3/4 -3/=7 A31= (-1) 312 |-4 -1/= -3 A32 = (-1)3+2 / 1 -1/= A 23 = (-1) 3+3 (1 4/= -6 1= (-4+4+6-1+6+2+6-3) -15+6=-9



 $\frac{3}{3} \cdot (-1) + (-\frac{3}{3}) + \frac{1}{3}$   $-\frac{1}{3} \cdot (-1) + (-\frac{7}{3}) + (-\frac{7}{3}) + (-\frac{7}{3}) + (-\frac{7}{3})$   $-\frac{1}{3} \cdot (-\frac{7}{3}) + (-\frac{7}{3}) +$ D= | 2 | 3 -4 | 2 | 1.3. (-5/4(-2)/. (-9/-3+







28 = (212/ 913; 24) A = 2 x2 - 2x2 8 + x3 x2 x x3 + x3 6 2X1 - (X1 + 2X1X3 + X3) / = = {2X2 - X2 + 2X2 X3 - X3, 4X3 - X1, 2X1 - X1 - 2 X1 X3 - X3 9  $(2B-A^{2})X = d^{2}X_{1}X_{2} - X_{2}^{2}X_{1} + 2 X_{2}X_{3} + 2X_{1}X_{3}^{2}X_{1} - X_{3}^{2}X_{1}$   $4 X_{3}X_{2} - X_{1}^{2}X_{2} + 2X_{1}X_{3}^{2} - X_{3}^{2}X_{3}^{2}$ A(5,4,4) B(-5,2,3) C(4,2,5) Q) a= MAC- 6AB ax B = (ax 63-48 62) a3 61-a163; a, 62-ax 61) AC=(4-5; 2-4; -5-9/= (-1; -2; -9) AB= (-5-5, 2-4; 3-4) = (-10; -2; -1 11 AB- (-14) -22, -99/ 6 AB 2 (-66 -12, -6)

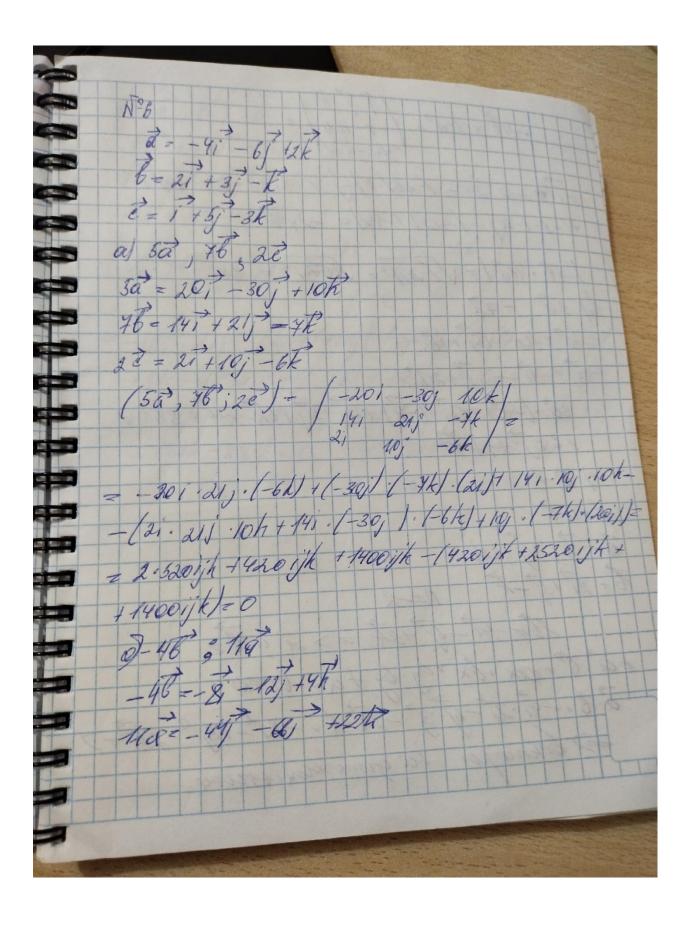
0= 14Ae-6AB = (-11+606 - R2+12, -99+6)= - (49; -10, -93) 111AC-6AB = \( \frac{143}{492} \) 10 + 83 = 5\( \frac{1446}{446} \)

8 = Be=(4+5; \( \lambda - 2, -5-3 \) = (9, 0, -8) [a, b] = 49.9-10.0-33.[-8] = = 444 1444-1185 BIM-? d=3; B=1 =3 C(4,2;-5) Xn = X313 X2 -513.4 = 13 yn = 40+3.4e = 2+3.2 = 2 1+3

2n. 2k. + 3. Ze = 3+3.(-5) = -3

1+3

M(13,1,-3)



-46 x Ha - /8 184/2 = 1/8-12 24-1-86/-1/-1-8.22-4-1-44/+ 4-8-1-81-1-121/-44/= -241 1-48 - Hal = V/-24/2 = 576,2 = 24, 6/ 30 ; - 70 30 - 18 + 6h -4e = -4i -35j +21h 30 · (-te) =121 · (-41) +181 · 351 +6/2 · 2/6 = 84/2 + + 630 7 + 126h 21 à 6 ã-4.8 a=-413-613+24 t- 21 +37-1 12-2 18-47-6 12t -> a a B> a. 8 = -4, 21 -6, 3 -2 K. h - -8, -18, 2-2h => => Cenneper re gronorousurine