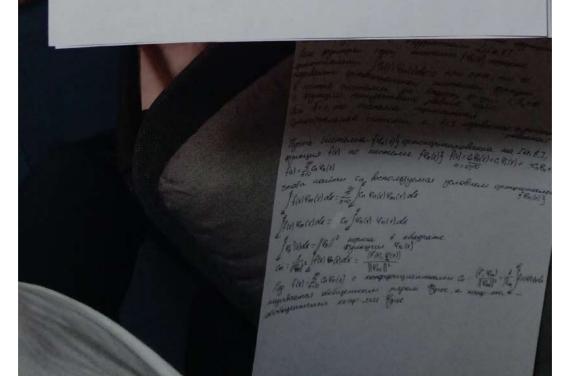
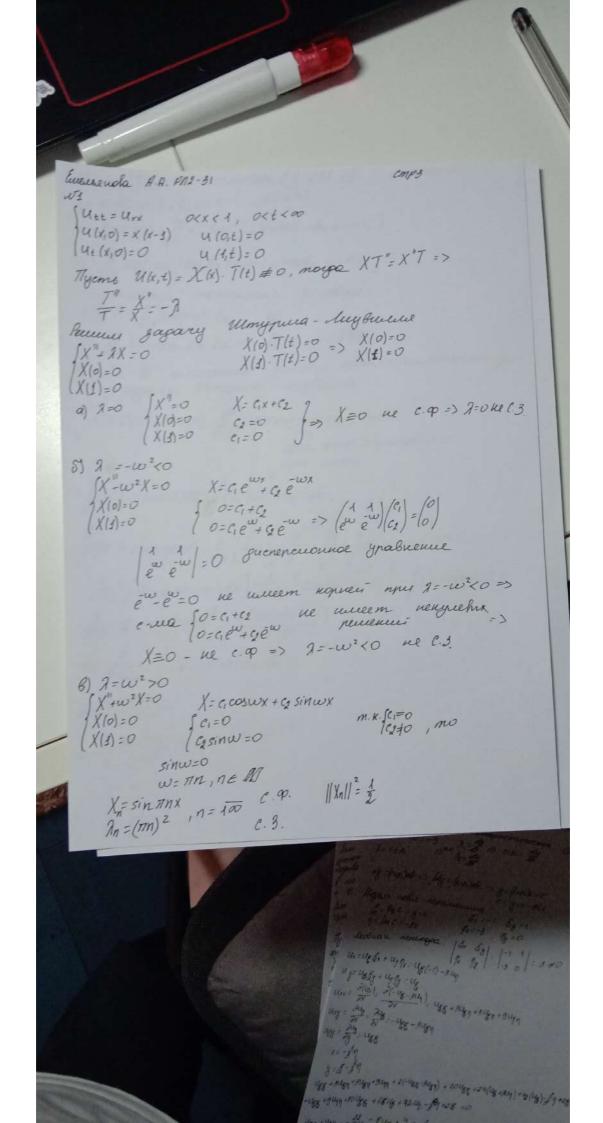
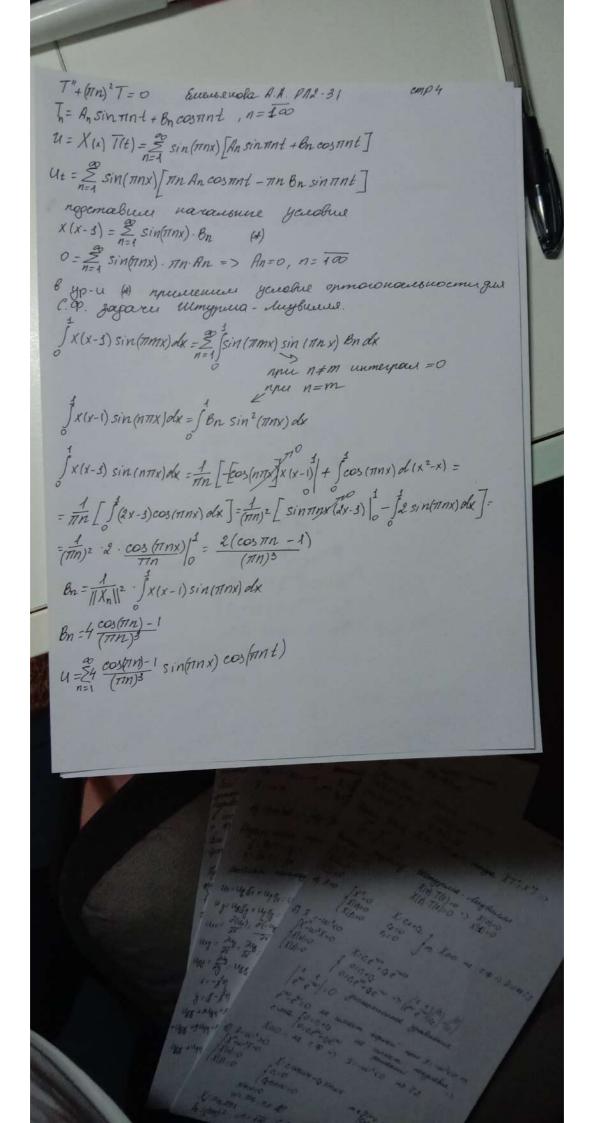
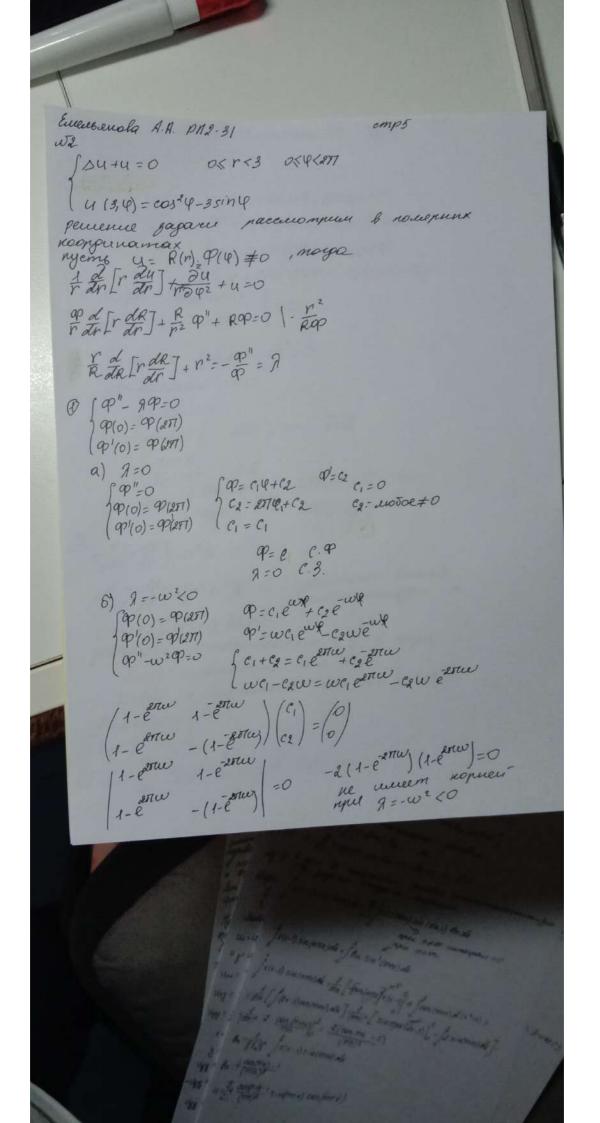


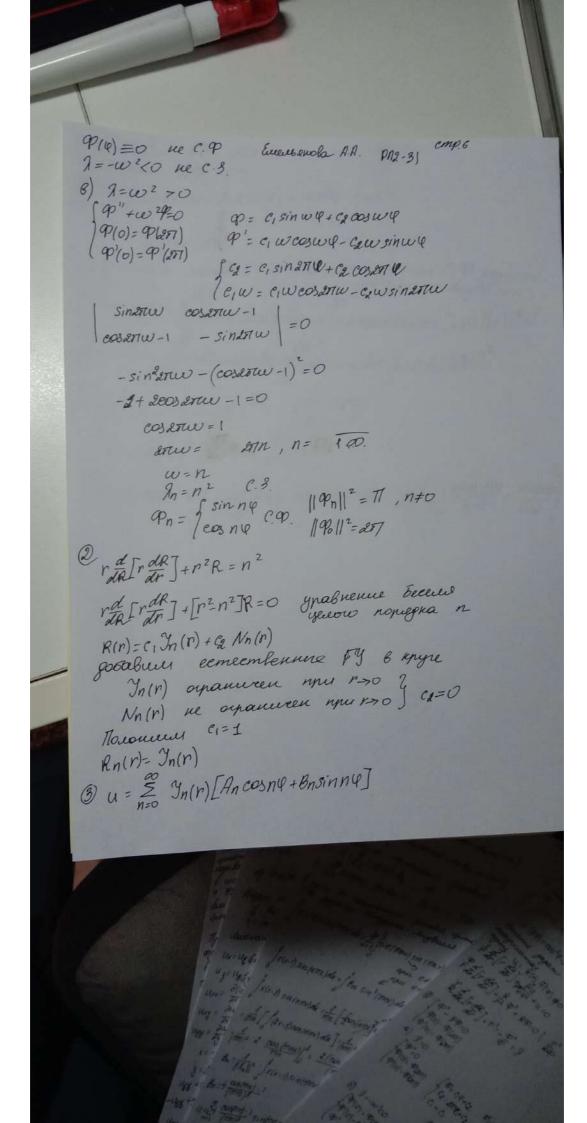
Eventende AR. PAZ-31 with Euroba HH. M/x-51B) $U_{xx} + 2U_{xy} + 10U_{yy} - 24U_x + 42U_y + 2x + 2y = 0$ $\triangle = \begin{vmatrix} 1 & 1 \\ 10 & 1 \end{vmatrix} = -9 < 0 \Rightarrow yp-e runnmureckoe muna$ The senic mureckoe grabiume 24 = 1 - 10 = -9 $3 = 1 \pm 8i$ $3 = 1 \pm 8i$ dy = (1+3i)dx => Jdy = J(+3i)dx => y = (1+3i)x + e c = y-x-3ix Abgen nome repensemme E = Rec = y - x Ex = -1 Ey = 1 y = Imc = -3x y = 0elkosuan nenexoga: | Ex Ey | = | -1 1 | = 3 +0 Ux = Ug Ex + ug 1/x - Ug(-1) - 3 ug 4 4= 18 Eg + 49 1/4 - 46 Uxx = 2(ux) = 2(-48-349) = 488 + 3489 + 3489 + 9499 uxy = duy = due = - uee - 3uen uyy = duy = uee $X = -\frac{1}{3}\eta$ UEE + SUEN+3UEN+9UNN + 2(-UEE-3UEN) + 10UEE +24(UE+3UN)+42(UE)-391+2E-31-0 -488 +9497 +10488 +6848 +7242 -349 +28 =0 UEE + 499 = - 348 - 849 + 4 7 - 36











Emercenda A.A. P. 12-31 2 9n (3) [An cosnq + Bn sinnq] = cos2 φ-3 sin φ cos 4 = 1 (1+cos dφ) пришении условие ортогональности С.Ф. задажи $\frac{1}{2}\int \cos n\varphi \,di\varphi + \frac{1}{2}\int \cos n\varphi \cos 2\varphi \,d\varphi - 3\int \sin \varphi \cos n\varphi \,di\varphi = \int_{n} (3) \, \Pi n \, ||\varphi_n||^2$ $\frac{1}{2}\int \sin n\varphi \,di\varphi + \frac{1}{2}\int \sin n\varphi \cos 2\varphi \,di\varphi - 3\int \sin \varphi \sin n\varphi \,di\varphi = \int_{n} (3) \, \theta n \, ||\varphi_n||^2$ $\frac{1}{2}\int_{0}^{27} \cos n\varphi \, d\varphi = -\frac{1}{2} \sin n\varphi \Big|_{0}^{27} = \begin{cases} 0, n\neq 0 \\ 1, n=0 \end{cases}$ $\frac{1}{2}\int_{0}^{2}\sin n\theta d\theta = \frac{1}{2}\cdot\frac{1}{n}\cos n\theta\Big|_{0}^{2n}=0$ $\frac{1}{2} \int \cos n\varphi \cdot \cos x \cdot \varphi \, di\varphi = \frac{1}{4} \int \left[\cos(n-x) \cdot \varphi + \cos(n+x) \cdot \varphi \right] di\varphi = \frac{1}{4} \left[\frac{\sin(n-x) \cdot \varphi}{n-x} + \frac{\sin(n-x) \cdot \varphi}{n+x} \right]$