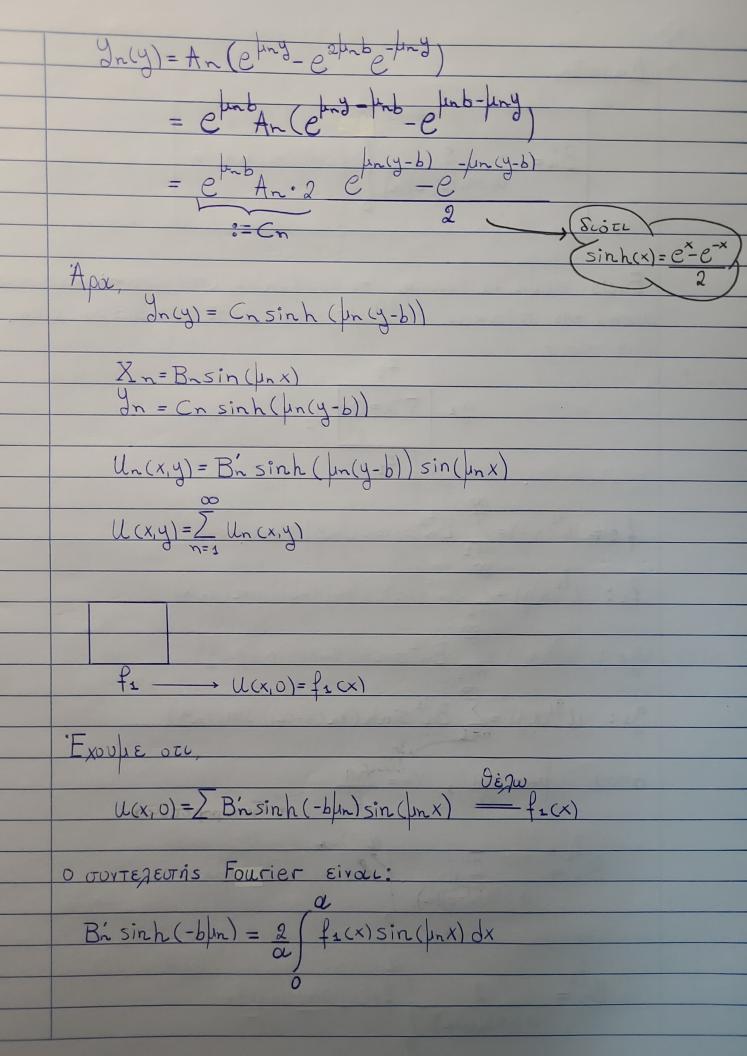
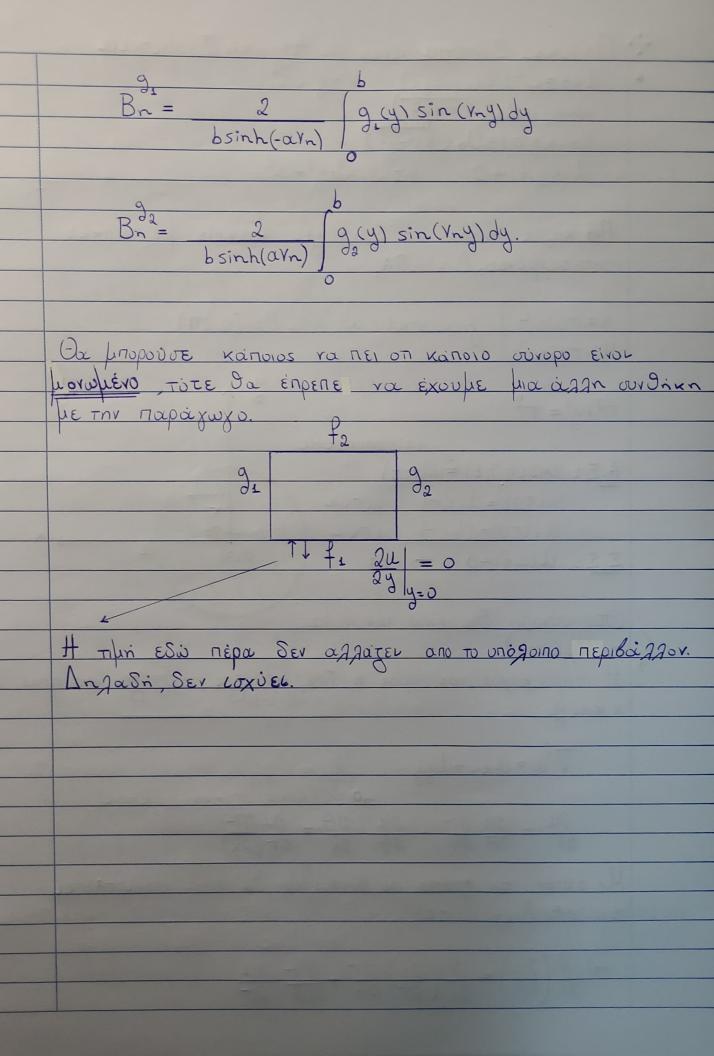
03/04/23 Exiowon Laplace: (2D) 72=0  $u(0,y) = X(0)Y(y) = 0 \Rightarrow X(0) = 0$   $u(\alpha,y) = X(0)Y(y) = 0 \Rightarrow X(0) = 0$ U(x,b) = X(x) J(b) = 0 => J(b) = 0  $X''_{n} = \frac{y''_{n}}{y'_{n}} = ota \theta \epsilon p \dot{\alpha} = -\mu \dot{\alpha}$ Xn=(Bn)sin (Unx) Xn(a)=(0=Bnsincuna) => SLapoperLika

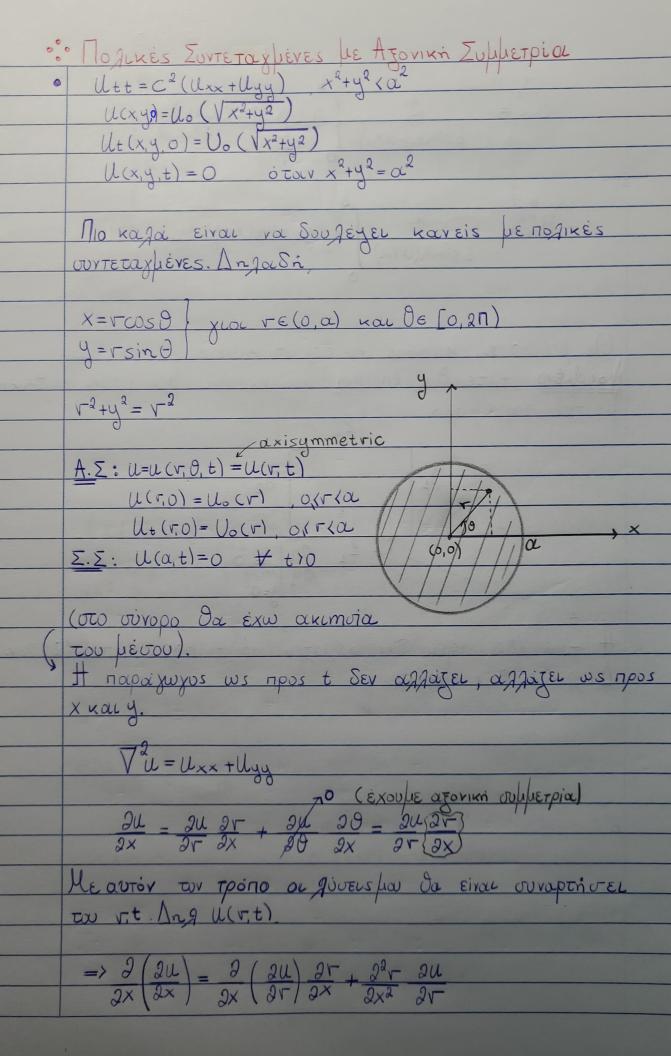


Angasi,

$$B'_{n} = \frac{2}{\alpha \sinh(-b\mu_{n})} \int_{0}^{\alpha} f_{1}(x) \sin(\mu_{n}x) dx$$

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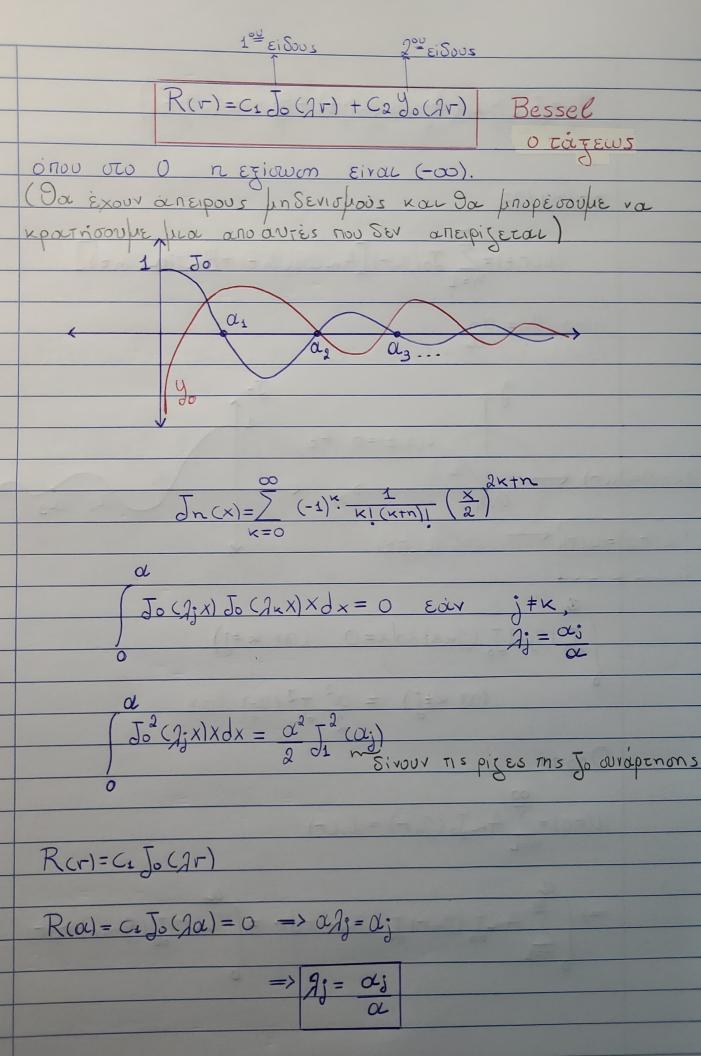
$$\frac{2}{9x}\left(\frac{9u}{2r}\right) = \frac{3}{2r}\left(\frac{2u}{3r}\right)\frac{3r}{2x} + \frac{3}{29}\left(\frac{9u}{3r}\right)\frac{9\theta}{9x}$$

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$$\frac{2}{9x}\left(\frac{9u}{2r}\right) = \frac{3}{2x}$$

$$\frac{2}{9x}\left(\frac{9u}{2x}\right) = \frac{3}{2x}$$

$$\frac{3}{9x}\left(\frac{r^2}{9x}\right) = \frac{3}{$$



$$U_j = J_0(J_j\alpha)(A_j\cos(cJ_jt) + B_j\sin(cJ_jt))$$