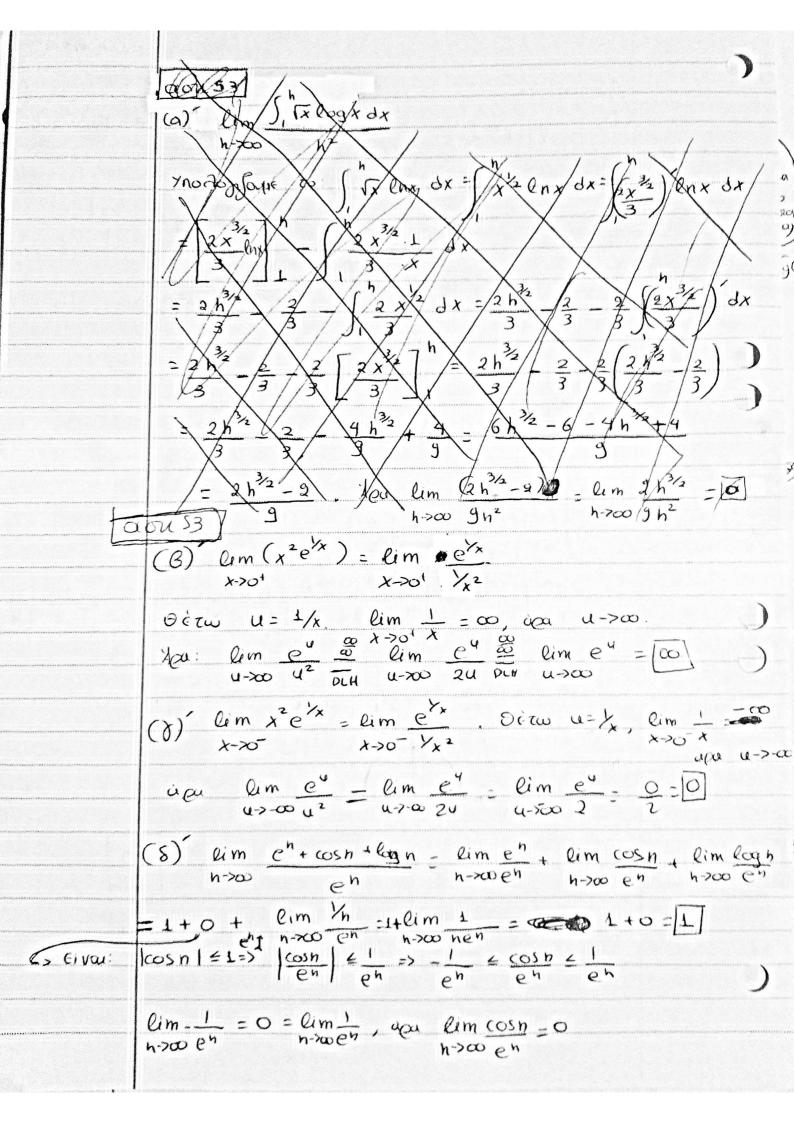
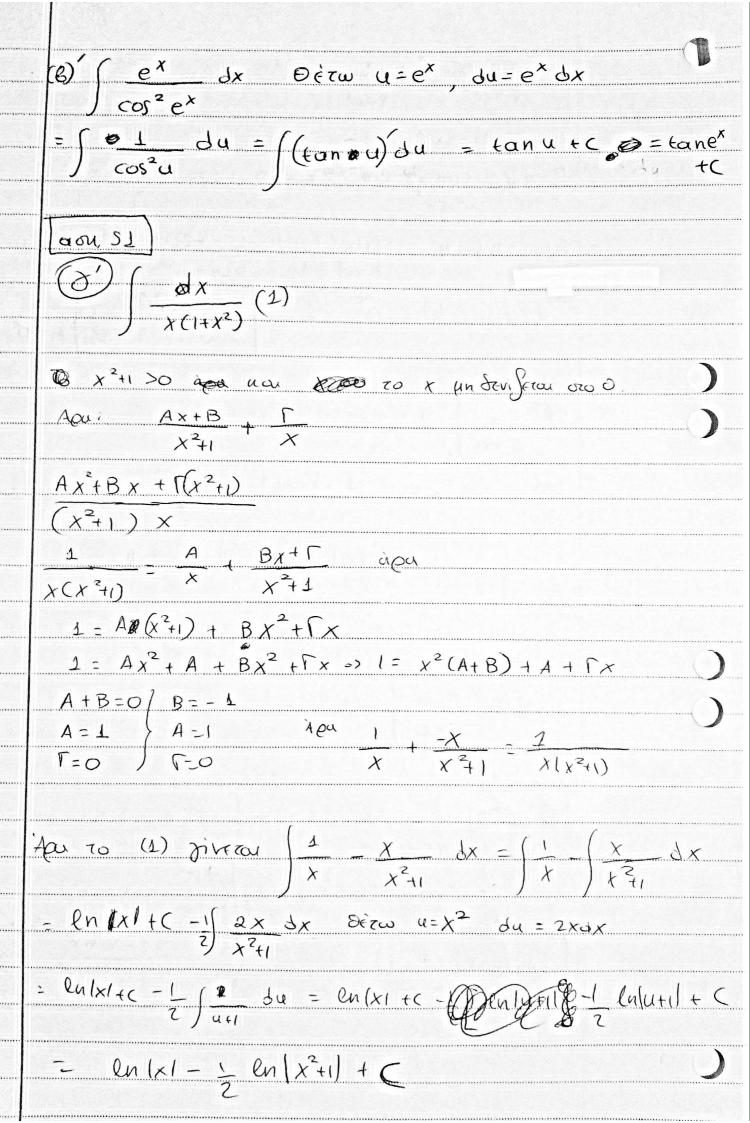
$\frac{Aounon}{a}$ $\frac{51}{\sqrt{3-x^2}} dx$ Θέτω = 3sin & O G O = «Sin-'(*) $\frac{dx}{d\theta} = 3\cos\theta \Rightarrow dx = 3\cos\theta d\theta$ $3=3\sin\theta \Leftrightarrow 1=\sin\theta \Rightarrow \theta = \pi/2$ ra x=-3 -3=35inθc)-1=5inθ => [θ=-11/2] $4\rho u: \int_{-\frac{\pi}{2}}^{\frac{\pi}{2}} \frac{1}{\sqrt{9-3\sin^2\theta}} \cdot 3\cos\theta \, d\theta = \int_{-\frac{\pi}{2}}^{\frac{\pi}{2}} \frac{1}{\sqrt{1-\sin^2\theta}} 3\cos\theta \, d\theta$ $= \int_{-\frac{\pi}{2}}^{\frac{\pi}{2}} |\cos\theta| \cdot \cos\theta = \int_{-\frac{\pi}{2}}^{\frac{\pi}{2}} |\cos\theta| \cdot \cos\theta| \cdot \cos\theta|$ $=9\int_{-\frac{9}{2}}^{\frac{9}{2}}\frac{\cos 2\theta + 1}{2}d\theta =9\int_{-\frac{9}{2}}^{\frac{9}{2}}\frac{\cos 2\theta + 9}{2}\int_{-\frac{9}{2}}^{\frac{9}{2}}\frac{1}{2}d\theta$ $= g \left[\frac{\sin(2\theta)}{4} \right] d\theta + g \left[\frac{\theta}{2} \right]^{\frac{\eta}{2}} =$ (B) o zinos zou
(B) o zinos zou

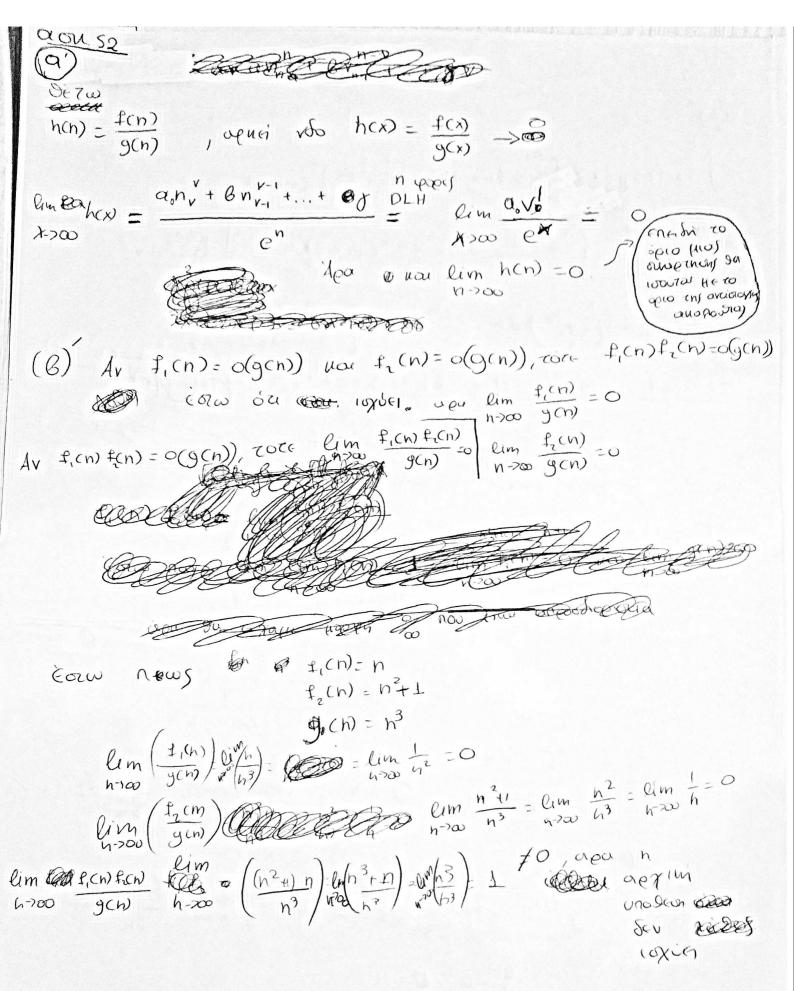
O zinos zou $\int_{0}^{10} \int_{0}^{10} \frac{1}{x^{2}} = 0$ $\int_{0}^{10} \int_{0}^{10} \frac{1}{x^{2}} = 0$ Jo. naparaon:

 A_{ca} το εμβοδόν $\frac{rov}{9}$ θα είναι: $\frac{\pi v^2}{9} = \frac{\pi \cdot 9}{9}$

$$\begin{array}{c} & \text{Sin 20} \\ \hline \text{Sin 20} \\ \hline \text{4} \end{array} = \\ \hline \begin{array}{c} \cos 2\theta \\ \hline \text{2} \end{array}$$







$$v \delta o \left[\lim_{h \to \infty} \frac{f(n)}{h(n)} = 0 \right]$$

Give:
$$\lim_{h\to\infty} \frac{f(n)}{h(h)} = \lim_{h\to\infty} \frac{f(n)}{h(h)} \frac{g(n)}{g(n)} = \lim_{h\to\infty} \left(\frac{f(n)}{g(n)}, \frac{g(n)}{h(n)}\right) = 0.0$$

Low with.

$$\int_{1}^{h} \int_{x} \ln x \, dx = \int_{x}^{h} \int_{x}^{2} \ln x \, dx = \int_{x}^{h} \int_{x}^{2} \ln x \, dx = \frac{1}{2} \int_{x}^{h} \int_{x}^$$