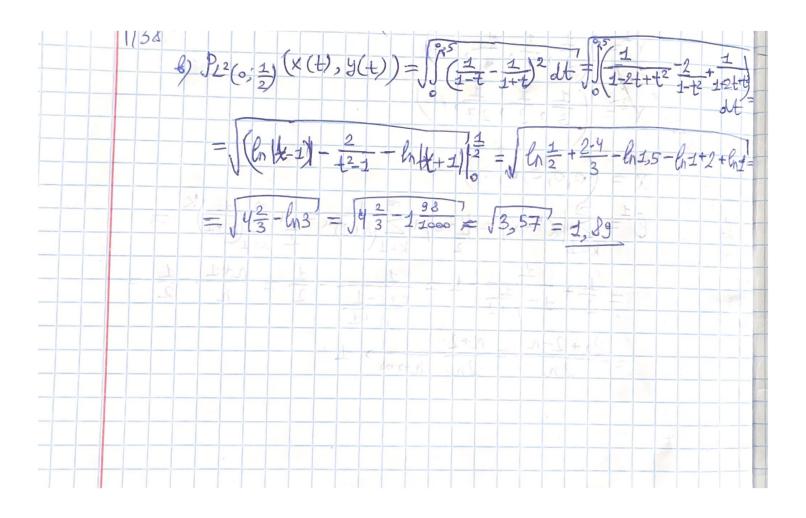
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1351-11
a) $X = (0, \frac{1}{4}, \frac{2}{9}, \frac{3}{16}, \frac{4}{25}, \frac{3}{25}, \frac{4}{25})$
$X_{k}^{2} = \frac{k-1}{k^{2}} \sim \frac{1}{k} - \text{packagany. 2 aproxim. pag} = 0$ $\Rightarrow X \in \ell^{2}$
$B) X = \left(\operatorname{arcbg}(k+1)\right)_{k=1}^{\infty}$
$X_k^2 = \operatorname{arctg}(k+1) \xrightarrow{k \to \infty} \frac{\pi}{2} \Rightarrow \operatorname{pacsegaty. pag}$
$\chi^2 = arotg^2(k+1) \xrightarrow{\chi \to \infty} \frac{\Im C^2}{4} - 1/1 - 1$
$\chi_{\kappa}^{3} = \operatorname{drobg}^{3}(k+1) \xrightarrow{k \to \infty} \frac{Jt^{3}}{2} = \chi_{\kappa}^{p} \xrightarrow{Jt^{p}} \frac{Jt^{p}}{2}$
$X_{k}^{p} \xrightarrow{\delta} \delta$ , $M_{k}$ . $S_{k}^{p} \xrightarrow{>2^{p}}$ , $P \in (0; +\infty)$
X€ l², l², l³, l4, l∞.