$\int \int (2x+y) dx dy$ D= {2 2 + y 5 R, y > - x 3 OSozranun $\begin{cases} x = z \cos \varphi & z \in [0, R] \\ y = z \sin \varphi & y \in [-\frac{\pi}{4}, \frac{3\pi}{4}] \end{cases}$ 202 + y2 & R= 2 cos 9 + 2 3 sin 2 0 C 2 2 cos 9 + 2 - 2 cos 9 < R2 2 sin 9 7 - 2 cos 9 Sm 9 2 - cos 9 Витини замну прешенной в интеграле $J(z, \varphi) = \frac{D(z, y)}{D(z, \varphi)} = \frac{\partial z}{\partial z} \frac{\partial y}{\partial \varphi} + \frac{\partial z}{\partial \varphi} \frac{\partial z}{\partial \varphi} + \frac{\partial z}{\partial \varphi} +$ = \(\(\chi \cos \p + \sin \p) \d \p \) \(\chi^2 \d \chi = (1) \) $\int z^2 dz = \frac{z^2}{3} \left(e^{-\frac{R^2}{3}} \right)$ $(7) = \frac{P}{3} = \frac{3}{7} (2 \cos \varphi + \sin \varphi) d \varphi = (2)$