pomisony

$$z'y = \frac{1}{2\sqrt{25-x^2-y^2}} \cdot (-2x) = \frac{-y}{\sqrt{25-x^2-y^2}}$$

$$z'_{x} = \frac{1}{2\sqrt{25-x^2-y^2}} \cdot (-2x) = \frac{-x}{\sqrt{25-x^2-y^2}}$$

Soly
$$z = 3 = 3$$
 $x^{2} + y^{2} + 9 = 25$
 $x^{2} + y^{2} = 16$
 $x^{2} + y^{3} = 4^{2}$

$$\int\int_{\infty}^{5} \frac{1}{125-x^{2}-y^{2}} dx dy = \int_{0}^{4} \int_{0}^{2\pi} \frac{5}{125-(3\cos 4)^{2}-(9\sin 4)^{2}} dy = \int_{0}^{4} \frac{1}{125-(3\cos 4)^{2}-(9\cos 4)^{2}} dy = \int_{0}^{4} \frac{1}{125-(3\cos 4)^$$

Zadaene 8 Oblicuji cathy podnojny $\int \int (4-x^2-y^2) dx dy jeveli D jost donarem$ ogranicionym pries okóg x²+y²=1, prostp y=-x i prostpy=0