(3)

=
$$\iint_{S} \int \frac{1}{4} + \frac{3}{4}x^{2} + \frac{3}{4}y^{3} dx$$

$$div A = 1 + 1 + \frac{1}{4} = \frac{9}{4}$$

$$\iiint_{V} dv = \frac{8}{3} \pi$$

$$\iint_{S} \sqrt{\chi^{2} + y^{2} + \frac{z^{2}}{16}} d\rho = \frac{4}{4} \cdot \frac{8}{3} \pi$$