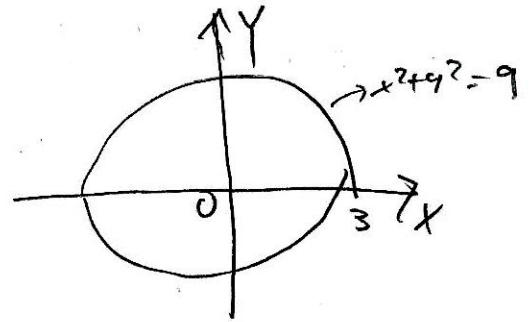
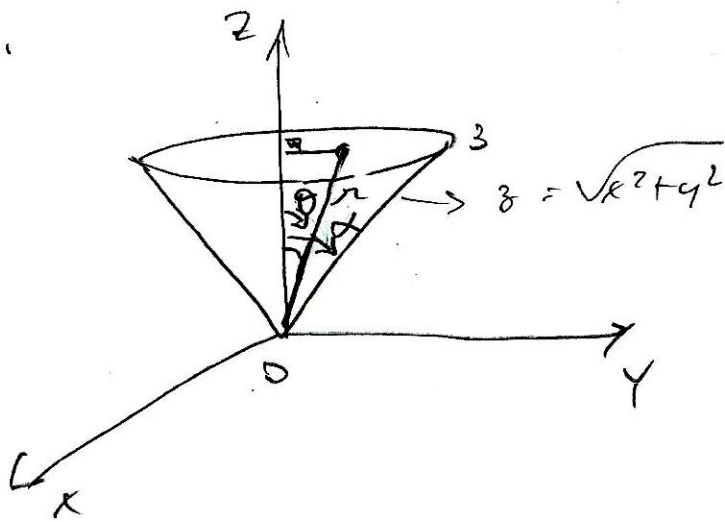


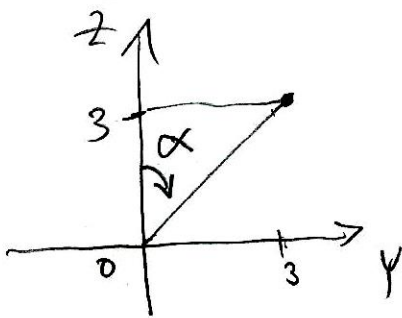
3.



ketika  $\theta$  tetap :  $0 \leq r \leq \frac{3}{\cos \theta}$  o.b

$$\cos \theta = \frac{3}{r}$$

$$r = \frac{3}{\cos \theta}$$



$$\alpha = \frac{\pi}{4}$$

$0 \leq \theta \leq \frac{\pi}{4}$  o.b

Dari  $\Omega$  :

$$\left\{ \begin{array}{l} 0 \leq r \leq \frac{3}{\cos \theta} \\ 0 \leq \theta \leq \pi/4 \\ 0 \leq \varphi \leq 2\pi \end{array} \right.$$

$$\int_{\Omega} \sqrt{x^2 + y^2 + z^2} \, dx \, dy \, dz = \int_{\varphi=0}^{2\pi} \int_{\theta=0}^{\pi/4} \int_{r=0}^{\frac{3}{\cos \theta}} r \cdot r^2 \sin \theta \, dr \, d\theta \, d\varphi$$