

$$9. \quad Q = \{(x, y, z) : -2 \leq x \leq 2, -3 \leq y \leq 3, 0 \leq z \leq 3-x\}$$

$$\rho = \sqrt{x^2 + y^2 - z^2}$$

$$I_x = \int_{x=-2}^{x=2} \int_{y=-3}^{y=3} \int_{z=0}^{z=3-x} (y^2 + z^2) \sqrt{x^2 + y^2 - z^2} \, dz \, dy \, dx$$

$$I_y = \int_{x=-2}^{x=2} \int_{y=-3}^{y=3} \int_{z=0}^{z=3-x} (x^2 + z^2) \sqrt{x^2 + y^2 - z^2} \, dz \, dy \, dx$$

$$I_z = \int_{x=-2}^{x=2} \int_{y=-3}^{y=3} \int_{z=0}^{z=3-x} (x^2 + y^2) \sqrt{x^2 + y^2 - z^2} \, dz \, dy \, dx$$