Math 201-07 Quiz #5

Exercise 1 *Evaluate the integral*

$$I = \int_0^3 \int_0^{\sqrt{9-x^2}} \int_0^{\sqrt{9-x^2}} dzdydx$$

Exercise 2 *Evaluate the integral by changing the order of integration in an appropriate way*

$$J = \int_0^4 \int_o^1 \int_{2y}^2 \frac{2\cos(x^2)}{\sqrt{z}} dxdydz$$