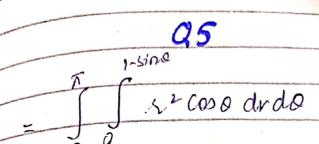
Exercise 14.3

Assignment 20

Date_



$$\int_{0}^{\infty} \frac{h^{3} \cos \theta}{3} \left| \int_{0}^{1-\sin \theta} d\theta \right|$$

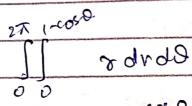
$$\frac{1}{3} \int_{0}^{\pi} \frac{(1-\sin \theta)^{3} \cos \theta}{3} d\theta$$

$$\frac{1}{3} \int_{0}^{\pi} \frac{(1-\sin \theta)^{3}}{3} d\theta$$

$$\frac{1-\sin x}{3} = \frac{1-\sin x}{4}$$

$$=\frac{-1}{3}(\omega)$$



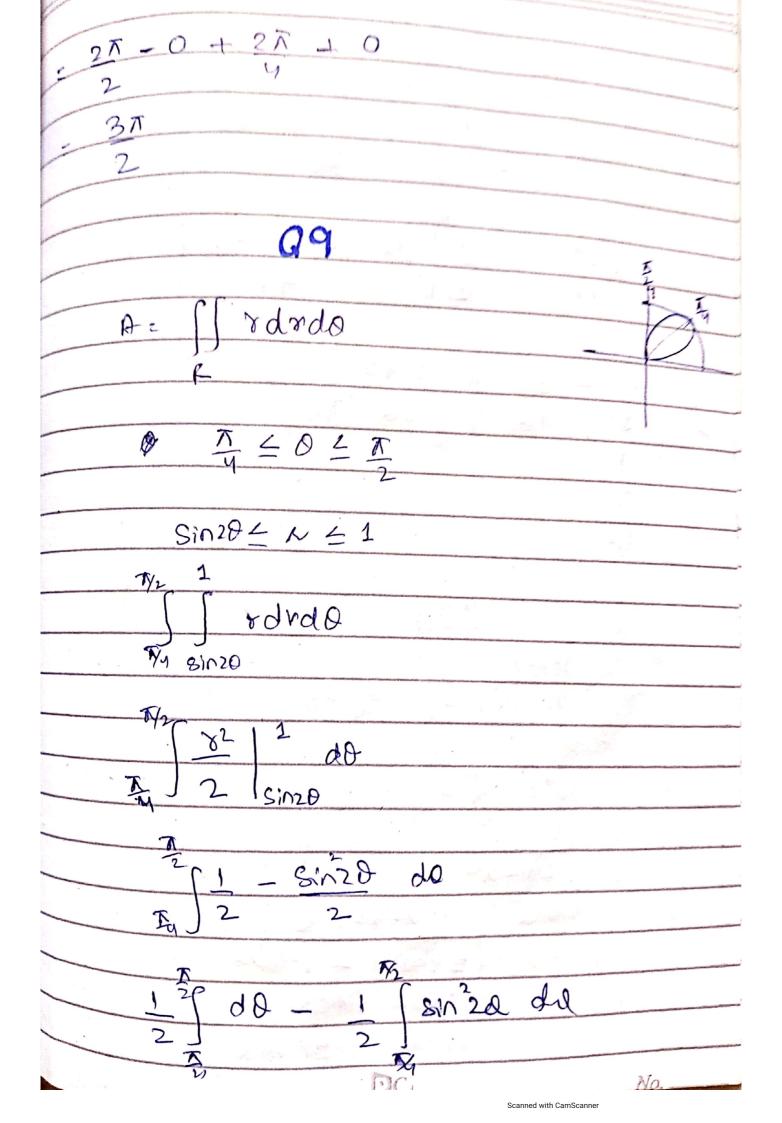


$$\frac{2h}{n}\int \frac{y^2}{2} d\theta$$

$$\int_{0}^{2\pi} \frac{(1-\cos\phi)^{2}}{2} d\theta$$

$$\int_{0}^{2\pi} \int_{0}^{\pi} \frac{1 - 20030 + \cos^{2}\theta}{2} d\theta$$

$$\int_{2}^{2\pi} \int_{2}^{1} d\theta - 2\pi \int_{0}^{2\pi} \cos \theta + \int_{0}^{2\pi} \int_{0}^{2\pi} \frac{1 + \cos 2\theta}{2}$$



y=12x-x2 1. x-2 100000 - 15 y = 154 - 10000 15 10000 - 10000 1281120 = 2 reaso - v260020

1251020+120020 = 20000

