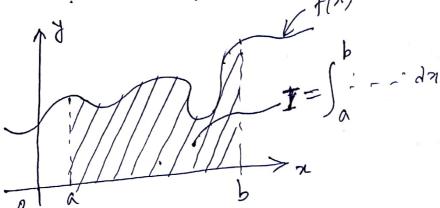
Numerical

IATISTIB

$$y = f(x)$$

$$A = R I = \int_{A}^{b} f(x) dx$$

$$f(x)$$



$$I_{1} = \frac{\chi_{1} - \chi_{0}}{2} \left[ f(\chi_{0}) + f(\chi_{1}) \right] = \frac{h}{2} \left[ \chi_{0} + \chi_{1} \right] = \int_{\chi_{0}}^{\chi_{1}} \chi_{0} d\eta$$

$$I_{1} = \frac{\chi_{1} - \chi_{0}}{2} \left[ f(\chi_{0}) + f(\chi_{1}) \right] = \frac{h}{2} \left[ \chi_{0} + \chi_{1} \right] = \int_{\chi_{0}}^{\chi_{1}} \chi_{0} d\eta$$

$$I_{2} = \frac{\chi_{2} - \chi_{1}}{2} \left[ f(\chi_{1}) + f(\chi_{2}) \right] = \frac{h}{2} \left[ \chi_{1} + \chi_{2} \right] = \int_{\chi_{2}}^{\chi_{2}} \chi_{0} d\eta$$

$$I_{3} = \frac{\chi_{2} - \chi_{1}}{2} \left[ f(\chi_{1}) + f(\chi_{2}) \right] = \frac{h}{2} \left[ \chi_{1} + \chi_{2} \right] = \int_{\chi_{2}}^{\chi_{2}} \chi_{0} d\eta$$

$$I_{2} = \frac{\pi_{2} - \pi_{1}}{2} \left[ f(\pi_{1}) + f(\pi_{2}) \right] = \frac{h}{2} \left[ \frac{d_{1}}{d_{2}} + \frac{\pi_{3}}{d_{3}} \right] = \frac{h}{\pi_{2}} \left[ \frac{d_{1}}{d_{2}} + \frac{\pi_{3}}{d_{3}} \right] = \frac{h}{\pi_{2}} \left[ \frac{d_{2}}{d_{3}} + \frac{\pi_{3}}{d_{3}} + \frac{\pi_{3}}{d_{3}} \right] = \frac{h}{\pi_{3}} \left[ \frac{d_{1}}{d_{2}} + \frac{\pi_{3}}{d_{3}} + \frac{\pi_{3}}{d_{3}} \right] = \frac{h}{\pi_{3}} \left[ \frac{d_{1}}{d_{2}} + \frac{\pi_{3}}{d_{3}} + \frac{\pi_{3}}{d_{3}} + \frac{\pi_{3}}{d_{3}} \right] = \frac{h}{\pi_{3}} \left[ \frac{d_{1}}{d_{2}} + \frac{\pi_{3}}{d_{3}} + \frac{\pi_{3}}{d_{3}} + \frac{\pi_{3}}{d_{3}} + \frac{\pi_{3}}{d_{3}} \right] = \frac{h}{\pi_{3}} \left[ \frac{d_{1}}{d_{2}} + \frac{d_{2}}{d_{3}} + \frac{\pi_{3}}{d_{3}} + \frac{\pi_{3}}{d_{3}} + \frac{\pi_{3}}{d_{3}} \right] = \frac{h}{\pi_{3}} \left[ \frac{d_{1}}{d_{3}} + \frac{d_{2}}{d_{3}} + \frac{d_{3}}{d_{3}} + \frac{d_{3}}{d_{3}}$$

$$I_{2} = \frac{\pi^{2}}{2} \left[ f(\pi_{2}) + f(\pi_{3}) \right] = \frac{h}{2} \left[ \frac{1}{2} + \frac{1}{2} + \frac{1}{2} \right] = \frac{h}{2} \left[ \frac{1}{2} + \frac{1}{2} + \frac{1}{2} \right] = \frac{h}{2} \left[ \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} \right] = \frac{h}{2} \left[ \frac{1}{2} + \frac{1$$

$$J_{5} = \frac{35 - 14}{26 - 35} \left[ f(35) + f(36) \right] = \frac{1}{2} \left[ \frac{35 + 36}{35} \right] = \frac{1}{35}$$

