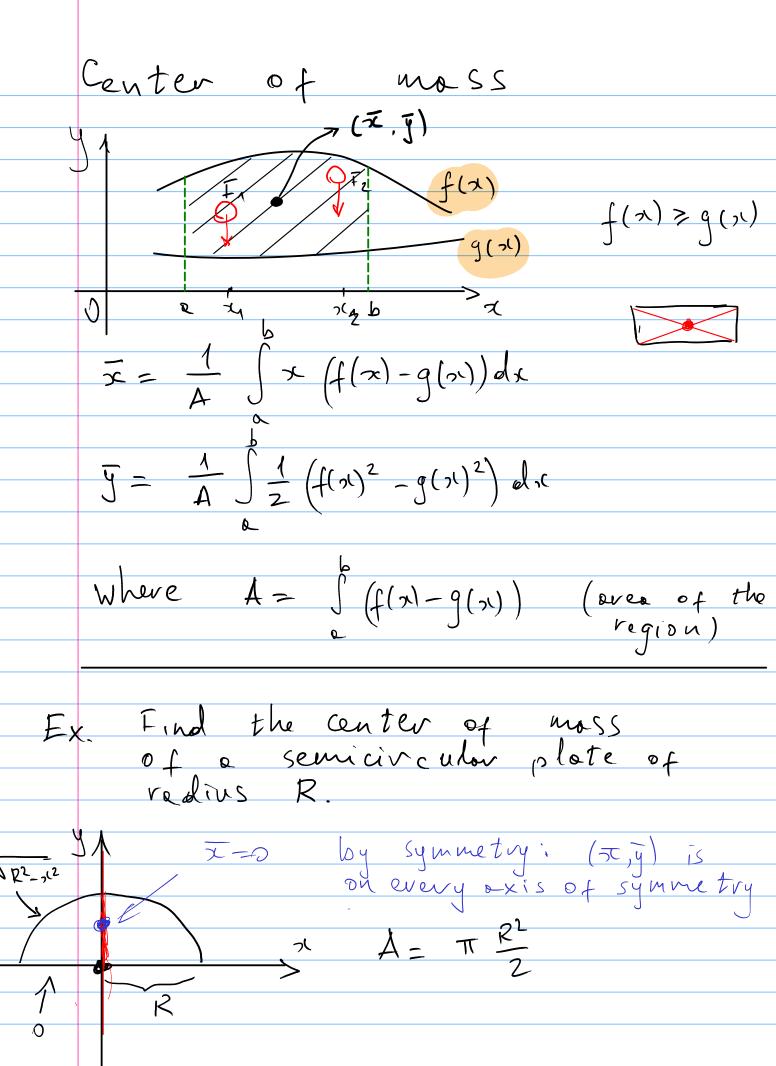


f(-2) = -f(2)

f(x) = f(-x) $f(x) = 2 \int f(x)dx$

Sunmary hoose coordinates Find depth depending = d- 4i 3). Find $Wi = f(y_i)$

4).
$$F = \lim_{n \to \infty} \sum_{n \to \infty} F_{\xi} = \lim_{n \to \infty} \sum_{n \to \infty} p \cdot g \cdot (d - y_{\xi}) W_{\xi} \cdot \Delta c$$
 $f = \int_{y_{\xi}} pg(d - y_{\xi}) f(y_{\xi}) dy$.



$$\frac{y}{A} = \frac{1}{A} \int_{-R}^{R} \frac{1}{2} (\sqrt{R^{1}-n^{2}})^{2} dn$$

$$= \frac{1}{2A} \int_{-R}^{R} (R^{1}-n^{2}) dn$$

$$= \frac{1}{2A} \cdot 2 \int_{-R^{2}-x^{2}}^{R^{2}-x^{2}} dn$$

$$= \frac{1}{\pi R^{2}} \cdot 2 \cdot \left[R^{2} - \frac{n^{3}}{3}\right]^{R}$$

$$= \frac{2}{\pi R^{2}} \cdot \left(R^{3} - \frac{R^{3}}{3}\right) = \frac{4}{3\pi R^{2}} \cdot R^{3}$$

$$= \frac{4R}{3\pi}.$$