## MOSPOOR MOFIZ ARMAN

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Example: 07:

Given sregion R: y=vn and y=n.

 $\Rightarrow y^2 = n$ 

=> n=y2

 $n=y^2$ 

For the interval, net

Jn= K

 $\Rightarrow n = n^2$ 

 $\Rightarrow n^2 n = 0$ 

=> ncn-1) =0.

No m,

W=0

 $0\pi$ , n-1=0  $\Rightarrow n=1$ 

$$\pi \int [y^2 - (y^2)^2] dy$$

$$=\pi \int_{0}^{1} (y^{2}-y^{q}) dy$$

$$= \pi \int_{0}^{1} y^{2} dy - \pi \int_{0}^{1} y^{4} dy.$$

$$= \sqrt{\left[\frac{y^3}{3} - \frac{y^5}{5}\right]^3}$$

$$= \sqrt{\left[\frac{(1)^3}{3} - \frac{(1)^5}{5}\right]} - \left[\frac{(0)^3}{3} - \frac{(0)^5}{5}\right]$$

$$= \sqrt{\frac{1}{3}} - \frac{1}{5} - 0 + 0$$

$$= \pi \left[ \frac{5-3}{15} \right] = \pi \left[ \frac{2}{15} \right] = \frac{2\pi}{15}$$