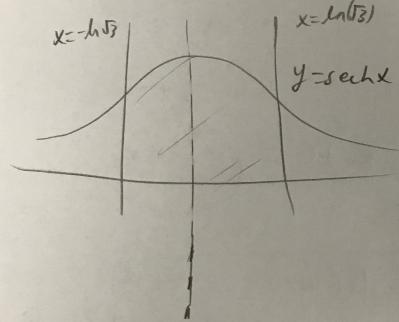
MAH 112 24w #3

Section 7.3

(44)

#80: Volume The region enclosed by the curre y=sechx
the x-axis, and the lines x= ± lo(J3) is revolved
around about the x-axis to gamble a sold. Lad
the volume of the solid



Disks. Ins V= p | Sech'x dx = N +anhx | -hvs

 $= \frac{1}{2} \left[\frac{1}{2} + \frac{1}{2} + \frac{1}{2} \right] - \frac{1}{2} + \frac{1}{2} = \frac{1}{2} + \frac{1}{2} = \frac{1}{2} + \frac{1}{2} = \frac{1}{2} = \frac{1}{2} + \frac{1}{2} = \frac{1}{2}$

0

$$\mathcal{A} \left[\begin{array}{c} \frac{1}{4} - \frac{(-1)}{4} \\ \end{array} \right] = \overline{\mathcal{A}}$$

Section 8.1: (+3)
$$\pm (39) \int e^{2+e^{2}} dz \qquad \text{for } u = e^{2} dz \\
= \int e^{2} - e^{2} dz \\
= \int e^{u} du = e^{2} + e^{2} dz$$

(43) Are high
$$y = h(\cos x)$$
 $0 \le x \le m_3$

$$\frac{dy}{dx} = -\sin x = -\tan x$$

$$(+3)$$