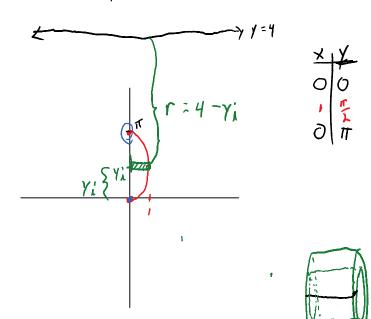
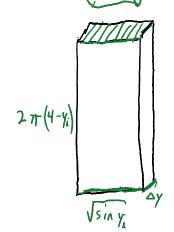


y2-2y+1+1

$$V = \pi \int_{3}^{6} \left[ (y+2)^{2} - (y^{2}-2y+2)^{2} \right] dy$$

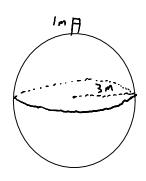
$$x = \sqrt{\sin y}$$
,  $0 \le y \le \pi$ ,  $x = 0$ ; about  $y = 4$ 







2 use 9.8 m/sec



$$W_i = F_i \cdot D_i$$

$$F_{i} = \begin{pmatrix} 1000 & \frac{1}{1000} & 9.8 & \frac{1}{1000} & \frac{1}{1$$

$$W_{i} = F_{i} \cdot D_{i'} = 9800 \ \pi (9 - \gamma_{i'}) \ \Delta y \ (4 - \gamma_{i'})$$