$$X = Sin\left(\frac{\pi y}{3}\right), \quad O, \quad 3$$

$$A = C = ns \quad Cloudlen = ns \quad codin = \pi Sin^{2}\left(\frac{\pi y}{3}\right)$$

$$= \int_{0}^{3} 1 Sin^{2}\left(\frac{\pi y}{3}\right) dy$$

$$= \int_{0}^{3} 1 Sin^{2}\left(\frac{\pi y}{3}\right) dy$$

$$= \int_{0}^{3} 1 \sin^{2}\left(\frac{\pi y}{3}\right) dy$$

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$$= \int_{0}^{3} \int_{0}^{3} \sin^{2}\left(\frac{ny}{3}\right) dy$$

$$= \int_{0}^{3} \int_{0}^{3} \int_{0}^{3} \int_{0}^{3} \sin^{2}\left(\frac{ny}{3}\right) dy$$

$$= \int_{0}^{3} \int_{0}^{3} \int_{0}^{3} \int_{0}^{3} \sin^{2}\left(\frac{ny}{3}\right) dy$$

$$= \int_{0}^{3} \int_{0}^$$

$$\frac{1}{Z} \left[ \frac{3}{a} = \left( \frac{3}{2} \right) \cdot \sqrt{\frac{7}{3}} \left( \cos \left( \frac{7}{3} \right) + \frac{7}{2} \right) \cdot \left( \frac{1}{100} \right) \right]$$

$$\frac{d(\text{Volume})}{d(\text{fine})} = \frac{d(\text{Volume})}{d(\text{fine})} \times \frac{d(\text{depth})}{d(\text{fine})} = \frac{\Delta \text{Volume}}{\Delta \text{depth}} \times \frac{\Delta \text{depth}}{\Delta \text{fine}}$$

$$\frac{31}{2} - 0.14 = \frac{dV}{dV} \times \frac{dV}{dV}$$

$$\frac{\Delta V_{\text{plus}}}{\Delta T_{\text{ins}}} = -0.1 \text{ m}^{3} / \text{min} = \frac{\Delta V_{\text{plus}}}{\Delta V_{\text{plus}}} \times \frac{\Delta V_{\text{plus}}}{\Delta T_{\text{ins}}} \longrightarrow \frac{\Delta O}{\Delta +} \left( \frac{\Delta V_{\text{plus}}}{\Delta +} - \frac{\Delta V_{\text{plus}}}{\Delta +} \right) \times \frac{\Delta V_{\text{plus}}}{\Delta V_{\text{ins}}} \longrightarrow \frac{\Delta V_{\text{ins}}}{\Delta V_{\text{ins}}} \longrightarrow \frac{\Delta V_{\text{in$$

at 2m, depth: s changet - 0.032

Told whose when Jepulle 3 is 
$$\frac{3\pi}{2}$$

$$\frac{1}{1} = -|W| L/min$$

$$V_{t=0} = \frac{3\pi}{2} n^3$$

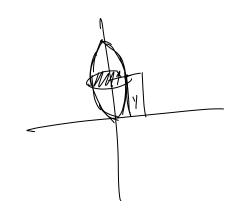
$$\left| \left| \frac{31}{2} - 0.1 + \right|, \text{ fix makes}$$

$$\frac{JJ}{Jt} = \frac{JJ}{Jw} \frac{Jv}{Jt} \qquad \frac{J\omega}{Jt} = \frac{J\omega}{Jv} \frac{JV}{Jt}$$

$$\frac{d\omega}{dt} = \frac{d\omega}{dV} \cdot - C.1$$

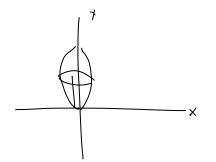
of is the mlg throw and on voc.

$$J_{y}W = W = Y = \frac{3}{7}S_{in}^{-1}(x)$$



$$X = Su(\frac{1}{3})$$

$$\frac{3}{4} \int_{i}^{-1} \langle x \rangle = W$$



$$\begin{aligned}
\mathcal{J} &= 2 \\
\mathcal{J} &= -100 \\
\mathcal{J}$$

But how to express that without answer to

q. 1 ? Find on expression for depth in terms of whence wif?