Tadgon <P(P()) = 5 P([x] D/ [0] dx = 2 21+1. 3~ 1 D= ElAN+Br (lt)]PLEcos O]. [] (O,+) Pr [coso] smod = 2 [A++ Be +] Boundary condition given by $V(cr, \omega) = \int_{0}^{\infty} V(cr, \omega) = \int_{0}^{\infty}$ $= V \int P_{\ell} \left[\cos \theta \right] \sin \theta d\theta = \frac{2}{2\ell+1} \left[A_{\ell} a^{\ell} + B_{\ell} a^{\ell} \right]$ V Pg [(35t] sned6 = 2 [Ab + Be b (lti)]

$$Th^{15} \text{ how more convenient to let } x = cos 6$$

$$T$$

$$\Rightarrow V \int_{P_{1}} P_{1} x dx = \frac{2}{2k+1} \left[A_{1} x^{1} + B_{2} a^{(k+1)} \right]$$

$$V \int_{P_{1}} P_{2} x dx = \frac{2}{2k+1} \left[A_{2} x^{1} + B_{3} a^{(k+1)} \right]$$

$$V \int_{P_{1}} P_{2} x dx = \frac{2}{2k+1} \left[\frac{d}{dx} P_{2} x - \frac{d}{dx} P_{2} - \frac{d}{dx} P_{$$

$$R_{1} = \frac{(4\pi)^{3}}{6} = \frac{(4\pi)^{3}}{6$$

1-12 2024.