	regardie Polynominals Application (Girliths example 3.6, 3.7).
	V(t) specified on surface of hollow sphere, find potential inside sphere.
	potential inside sphere.
	$\mathcal{I}(R,\theta) = \sum_{k} (A_{k}R^{k} + B_{k}R^{k}) P_{k}(\cos \theta).$
	= Etarl PiEws 63 for origin included.
	Use (Pm 1P > = 2 to 1)
	And 3
	$\frac{ARL}{2l+1} = \int \overline{f(R,\theta)} P_{L}[crst] Sh\theta d\theta$
	O
	=7 April = 2H1 (r) [T(R))P. [cos6] Sinodo.
	THE
-	$= \sum_{k=0}^{\infty} \frac{2k+1}{k} \left( \frac{r}{k} \right) \left[ \frac{\pi}{g(R,\theta)} P_{k} \left[ \frac{1}{656} \right] \right] $ $= \sum_{k=0}^{\infty} \frac{2k+1}{k} \left[ \frac{r}{k} \right] \left[ \frac{\pi}{g(R,\theta)} P_{k} \left[ \frac{1}{656} \right] \right] $
22 93	for r <r, \$\text{\$\ext{\$\text{\$\ext{\$\text{\$\text{\$\ext{\$\ext{\$\exitt{\$\ext{\$\ext{\$\ext{\$\ext{\$\ext{\$\exitt{\$\ext{\$\ext{\$\ext{\$\ext{\$\exitt{\$\exitt{\$\ext{\$\ext{\$\ext{\$\ext{\$\ext{\$\ext{\$\ext{\$\ext{\$\ext{\$\ext{\$\ext{\$\ext{\$\ext{\$\ext{\$\ext{\$\ext{\$\exitt{\$\ext{\$\exitt{\$\ext{\$\ext{\$\ext{\$\ext{\$\ext{\$\ext{\$\ext{\$\ext{\$\ext{\$\ext{\$\ext{\$\exitt{\$\exitt{\$\exitt{\$\exitt{\$\ext{\$\ext{\$\exitt{\$\ext{\$\exitt{\$<="" th=""></r,>
	Potential outside? make substitution
	$A_{R} \stackrel{2}{\underset{2l+1}{=}} = \langle \overline{q}(R, \theta)   P_{R} [\omega(\theta)] \rangle \rightarrow B_{R} \stackrel{-(l+1)}{\underset{2l+1}{=}} = \langle -\cdots   -\cdots \rangle$
	$ \frac{1}{4}(r,\theta) = \sum_{k=0}^{\infty} \frac{2k+1}{2} \left(\frac{R}{r}\right) \frac{1}{4} \left(\frac{R}{r}\right) P_{k} \left[\frac{1}{r}\right] \frac{1}{r} \left[\frac{1}{$
	1/2/150