72 y (0 1) 0(01) to y (0 1)	Yem (0, \$ = < 8, \$ 1, m>
$L^{2} /_{pm}(\Theta, \phi) = \mathcal{D}(\theta+1) tr^{2} /_{pm}(\Theta, \phi)$ $L_{3} /_{lm}(\Theta, \phi) = mth /_{em}(\Theta, \phi)$	76m (6, 9 - 28, 4 1, m) SHO (4)
$L_3 = -i\hbar \frac{\partial}{\partial \phi}$	4n(x) = <x n=""> alo> = 0 = l 4s/x1</x>
-it 3 /em (0,0) = mt /em (0,0)	INS ~ (at)"10>
$50/4$: $/e_{im}(\theta, \phi) = e^{im\phi}$	Dom 10>
L+1115=0 L-11,-1>:	-0
$L_{+} = L_{x+} i L_{y} = (x+iy) p_{x} + 3(-p_{y}+ip_{x})$	J
L+ You(0, 0) = 0	
L+= tre (20 + icoto 20)	
the id (so + i coto so) e il & Du	1(0) = 0
heid (Do - loto) eid Delle	
() - loto) Des(0) = (5
$\frac{d\theta}{d\theta} = L \frac{\cos\theta}{\sin\theta} \mathcal{D}(\theta)$	
Duto - 1 coso do	
ln Dulo = l · In sin 61.	+ C
$\mathcal{D}_{u}(b) = (-(\sin b)^2)$	
$L_{-} = -\hbar e^{-i\phi} \left(\frac{\partial}{\partial \theta} - \cos^2 \frac{\partial}{\partial \theta} \right)$	
$\gamma(\theta,\phi) = Cem (L)^{l-m} e^{it\phi} \otimes m\epsilon$) e
in 3D:]131 (±(+)12=1	イン (重/マ)



