HW #23

CID 6265

(1)

$$\rho_{ett} = \rho(u) + \rho^{ct}(u) = \frac{1}{1}Ku_3 + \frac{3\pi u_3}{3}$$

$$\frac{dU_{eff}}{dr} = 0 = Kr - \frac{l^2}{\mu r^3} \qquad r = \frac{II}{K''^4 \mu''^4}$$

$$\frac{\mu^2 \ell^2}{\mu^2 r^5} = \frac{\ell^2}{\mu r^3}$$
thes

$$\frac{C}{W\Lambda_S} = -KL$$

JUST cancel OUT...

Maybe Frentipetal is only defined by the force from the spring? Don't include the centrifugal term

$$F_{cent.} = \frac{\mu v^2}{r} = \frac{\ell^2}{\mu r^3} = -kr$$

this makes no sense
though  $r = \frac{(-1)^{1/4}}{k^{1/4}}$ 

-Kr= O then.

Ø= P

Ø= 22

