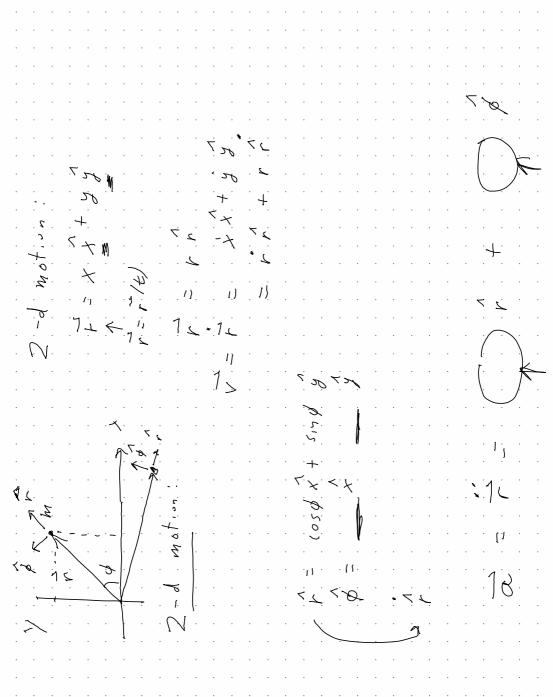
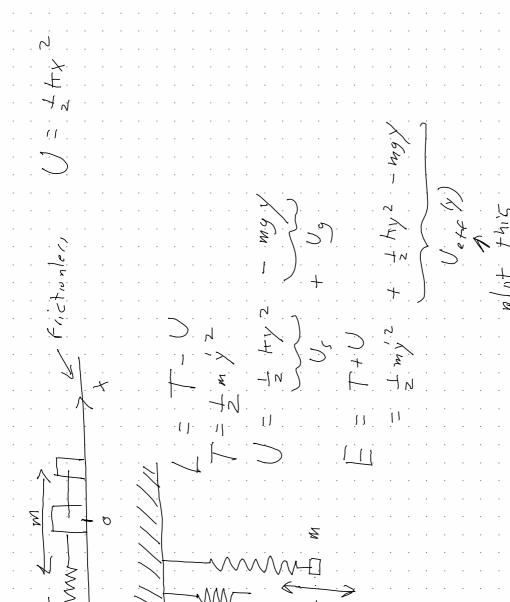
p # y5. 5306







$$\dot{\gamma}^{2} = (\ddot{X} - \dot{X}\dot{\phi}^{2})^{2}$$

$$\dot{\gamma}^{2} = (\ddot{X} - \dot{X}\dot{\phi}^{2})^{2}$$

$$\dot{\gamma}^{2} = \chi^{2} + \chi^{2}\dot{\phi}^{2} + \chi^{2}\dot{\phi}^{2} - \chi^{2}\dot{\phi}^{2}$$

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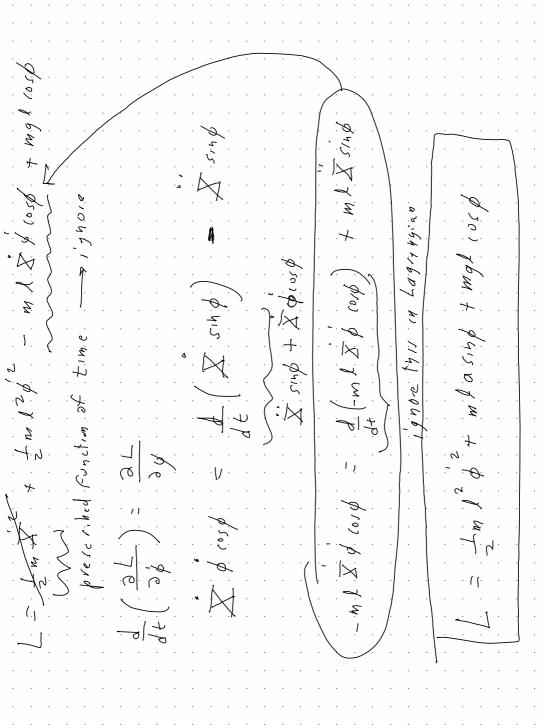
$$\dot{\gamma}^{2} = \chi^{2} + \chi^{2}\dot{\phi}^{2} + \chi^{2}\dot{\phi}^{2} - \chi^{2}\dot{\phi}^{2}$$

$$\dot{\gamma}^{2} = \chi^{2}\dot{\phi}^{2} + \chi^{2}\dot{\phi}^{2}$$

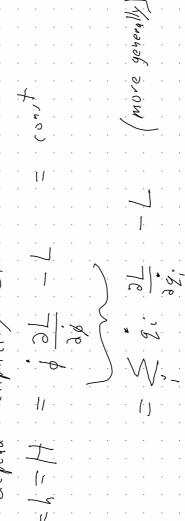
$$\dot{\gamma}^{2} = \chi^{2}\dot{\phi}^{2} + \chi^{2}\dot{\phi}^{2}$$

$$\dot{\gamma}^{2} = \chi^{2}\dot{\phi}^{2} + \chi^{2}\dot{\phi}^{2}$$

$$\dot{\gamma}^{2} = \chi^$$



41 26 explicitly on not depend



total. Mechanical

ml a sind - mgk cold Use FOMs From Lagrangian to show +411 (\$\delta \cop b + \delta \cop b) \] = -m \ (a \sin b + \delta \cop b) \] Uete (b) 11 III) Equil solution! Lango = P = + m /2 4 5 4m /2 6 76 9 = O= d Vetf ti yarab A

$$\left(\frac{1}{16} \right) = \left(\frac{1}{16} \right) + \frac{1}{16} \frac{1}{16} \left(\frac{1}{16} \right) + \frac{1}{16} \frac{1}{16}$$

$$(\beta_0)$$
 + $\frac{1}{2}$ + $(\beta_-\beta_0)^6$
 $(U_{c+f}(\beta_0))^{-1}$ + $\frac{1}{2}$ + $(\beta_-\beta_0)^{-2}$

In 12 x2 + 2 x 2 1

where yo is the solution to 2 (B-R) 27 + Answer to problems posed at the end of the last days and de is given bx (of 1/2) = (c++ (40) (2) $T = \pm m(\dot{x}^2 + \dot{y}^2 + \dot{z}^2) = \pm m(\dot{r}^2 + \dot{r}^2 \dot{a}^2 + \dot{z}^2 \dot{a}^2)$ $= \pm m(\dot{r}^2 + \dot{r}^2 \dot{a}^2 + \dot{z}^2)$ O = d Veff 立か。「大しのに多) (3) plot Uet+ (y) = + hy2 - mgy

X II da Vetr

$$0 = \frac{d \log_{t+}}{ds} = \frac{1}{3s} = \frac{1}{3s} = \frac{1}{3s} = \frac{1}{3s}$$

$$2 = \frac{d^{3} U_{eff}}{ds} = \frac{1}{2} + \frac{1}{3s} = \frac{1}{3$$

You can also obtain the same capicalism for Uefe (4) = = + + (y - mg) 2 - mg2 - 1 1 + (4-mg) 2 - 1 mg LH (42-24) HZ by completing the square: Vet (y) = 1 +y2 - mgx