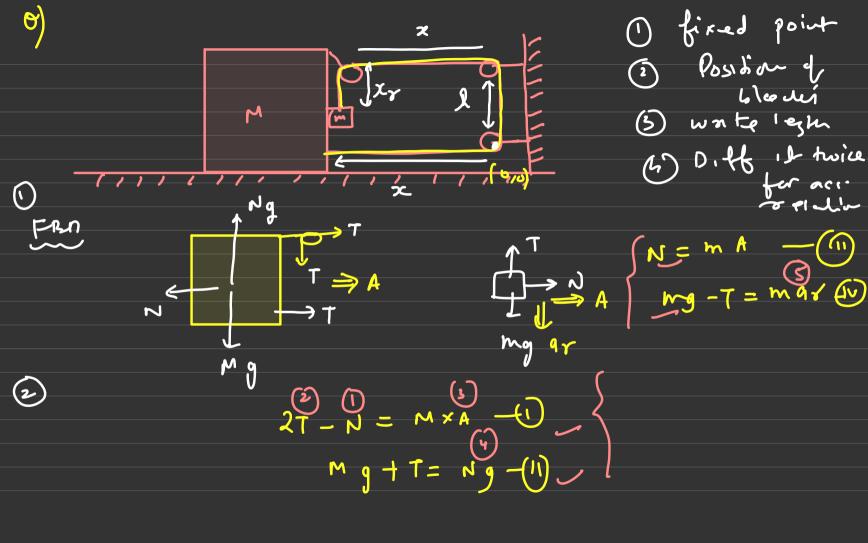
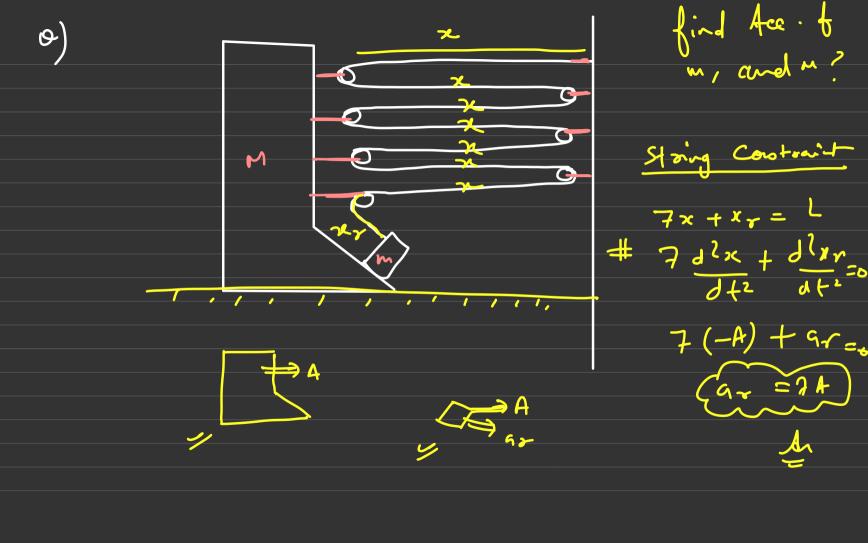
Dynamics 5

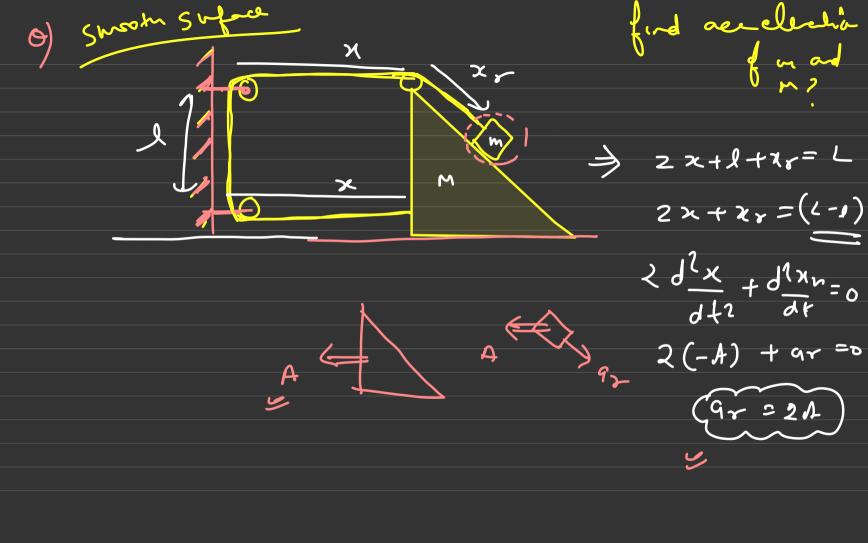


	4
	- -
	_ /



$$\begin{cases} -2A + a_r = 0 \\ G_r = 2A \end{cases}$$





(Homework) Smooth gurface

Sird accoleration

4 all three

Lleet.?

Helical Spring (1) (L) Sunder elastic limit) Spring F = Kn dif String com Lastate Completely of to ous tire its original shape and size "

Helical Spring Natural leigh Oif bleck is released from root then find clongation when block is in equilibrium? mg = kxeg & eguilloring (ii) find acceleration of 610cle when elongation is double the elongation at equilibrium 2 mg - mg = ma The a (a = 9 n) mg (iii) find a d black who compression in the Spring ma? 2mg = ma 1 a= 2g1 mg mg xk a

elongah 0 11711111 2 m

if System is in equilibran and string is not as shown in the figur for find acceleration of both block out offen cutty the string? (1) if string and spring is out - F-- 2m then Simpley remove the Stoing or spring (11) Draw PRD out calculate acedulis? (iii) Spring force does not chape ont often artig

try or Spri b) Straig 3hg-mg=ma a = 29 T 2 mg a

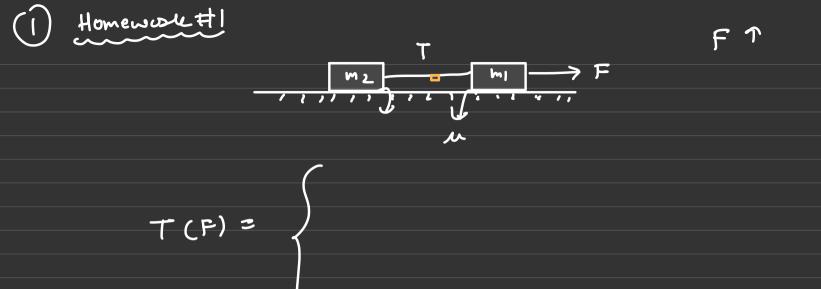
2 mg = 2ma L

92

inidial System is in 110001 equilibrim? if String is out one Shown in the tren find accolerate of 2m ad w? 5 mg 1) Analysis at equilbin

just ofter cultig hue Stry System is at in Ital system equilles: accelention d sm mr efte renovij

17 3 h



97 = relative accelule & monkey w.s.+ 11111111 then find Gy =2mls2 40kg 0 (1) acceledado -> 20 Kg Monkey Monkey and Plank w.r. + gund find fine after whire monkey Ve aches botton

