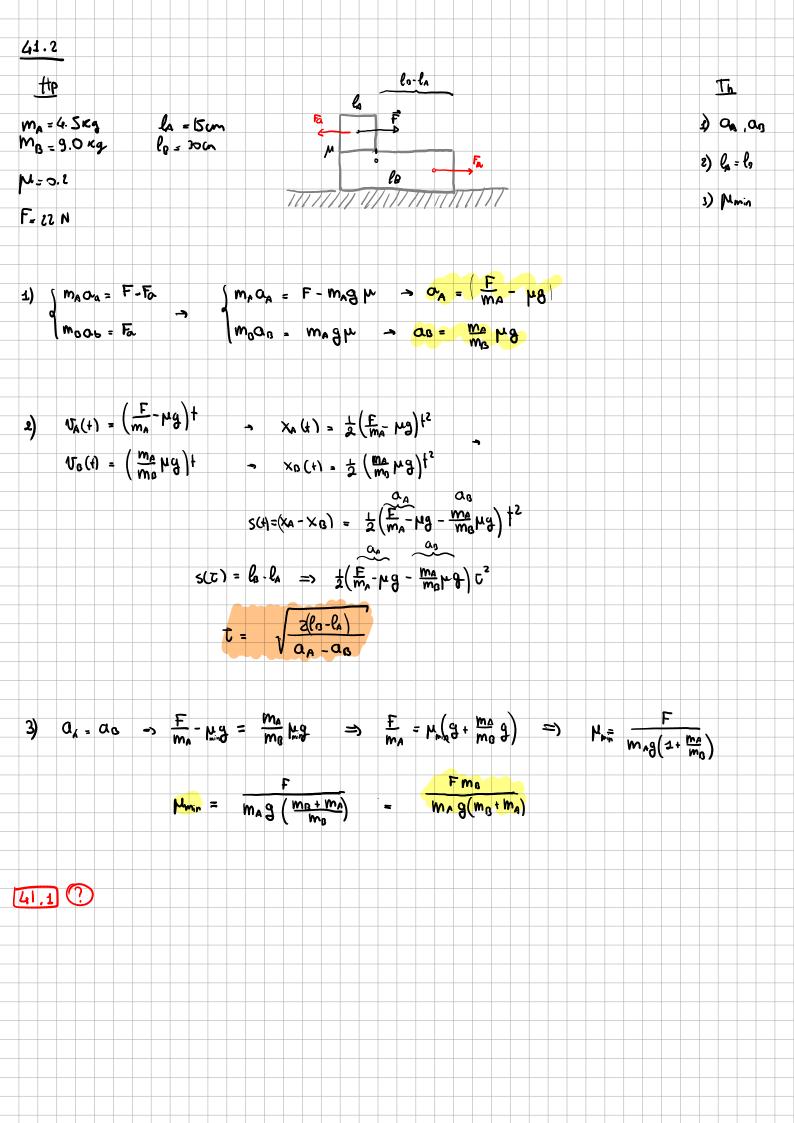
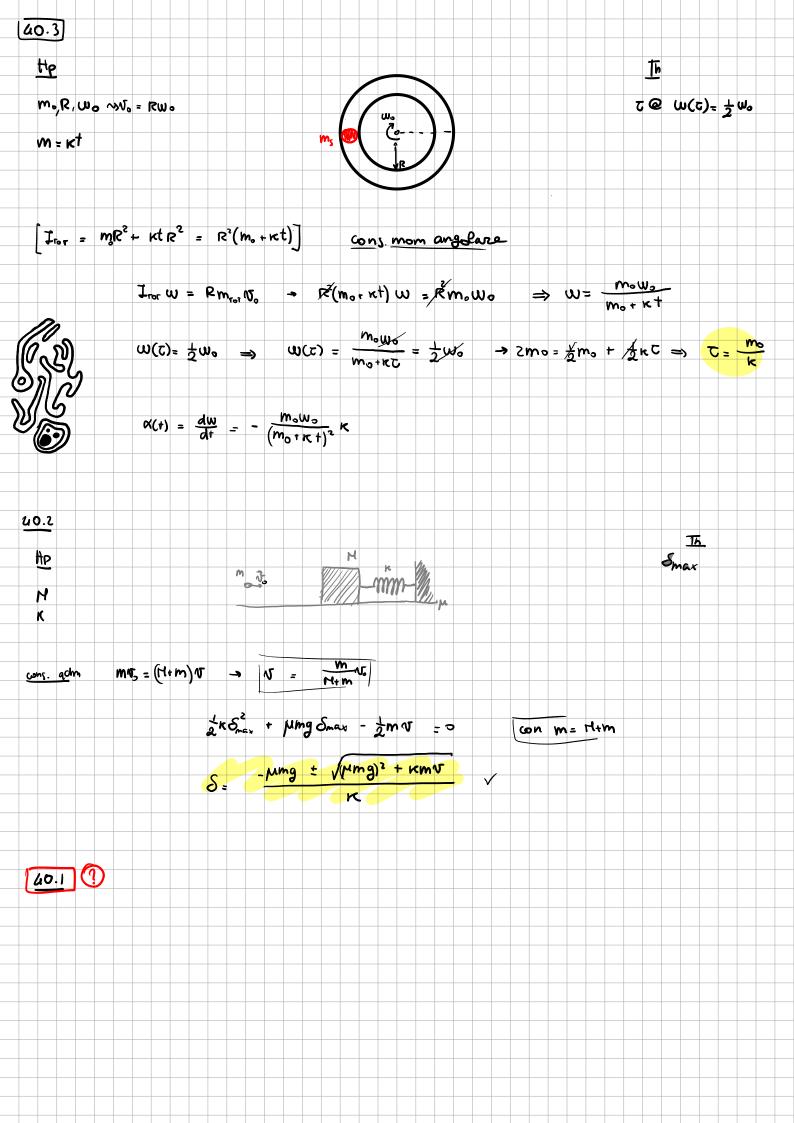
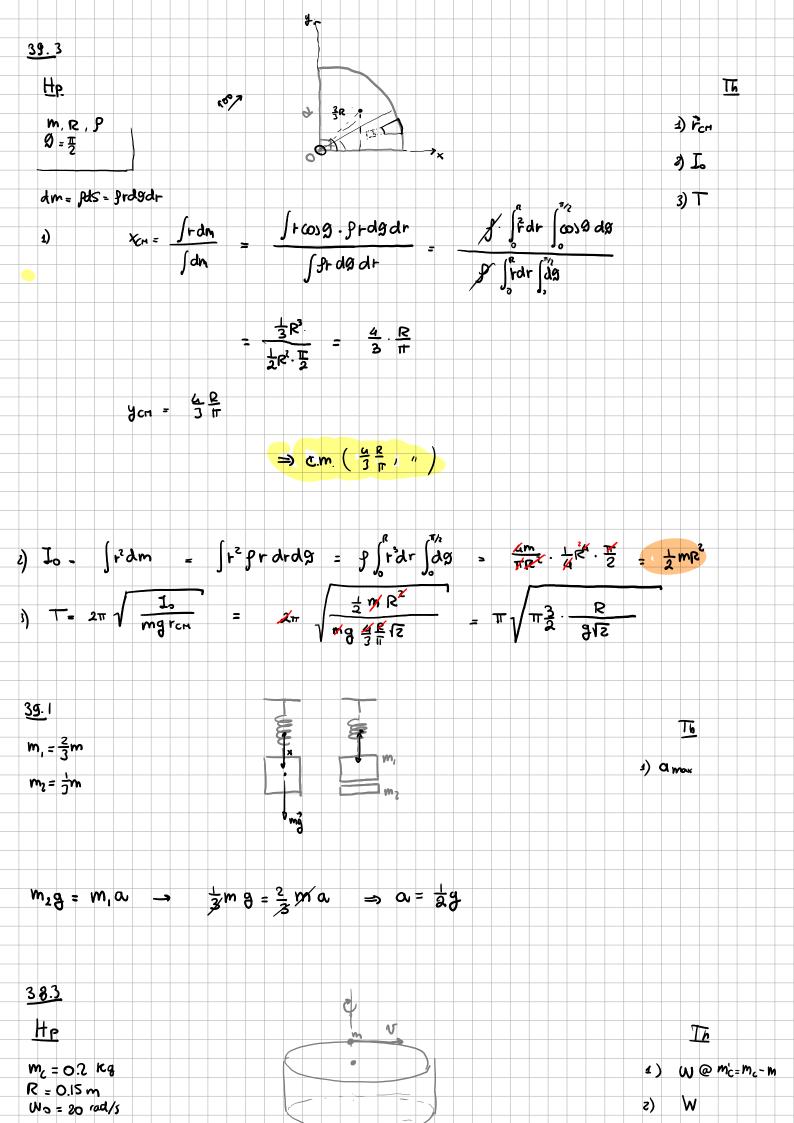


```
=2KA / K Sin (2/K +)
2) T = 2\pi \omega = 2\pi \sqrt{\frac{m}{\kappa}} \Rightarrow P(8) = \frac{1}{2} \kappa A^2 \sqrt{\frac{\kappa}{m}} \sin \frac{\pi}{4} \cos \frac{\pi}{4}
                                                         = KA2/K 1
      P_{m} = \frac{1}{T} \int \frac{1}{2} \kappa A^{2} \sqrt{\frac{\kappa}{m}} \sin \left(2 \sqrt{\frac{\kappa}{m}} +\right) dt = -\frac{1}{T} \frac{1}{2} \kappa A^{2} \sqrt{\frac{\kappa}{m}} \cos \left(2 \sqrt{\frac{\kappa}{m}} +\right) \cdot \frac{1}{2} \sqrt{\frac{\kappa}{m}}
                                     COS(2√ 2π√ 2π√ ) - -
           <del>-</del> 9
  41.3
  Hp
                                                                                                          Ir
   e, m. s, w
                                                                                                   2) C.M.
   \lambda = cx
                                                                                                   2) M.
                                                                                                   3) Mc
   dm = xdx = cxdx
      1/2 = mg xon sing = = mgl sing
       ac = wit = wixsing
        Fo = mac => dFo = w2xsingdm => dFo = w2xsingcxdx
                                                                     = w2x2csing dx
        Mc = Fe b cos = dite = x cos g . w 2 C Sin g dx
                                           = coss sing we x3 dx
                           Mc = 404 cos9 sin & w2c ().
```

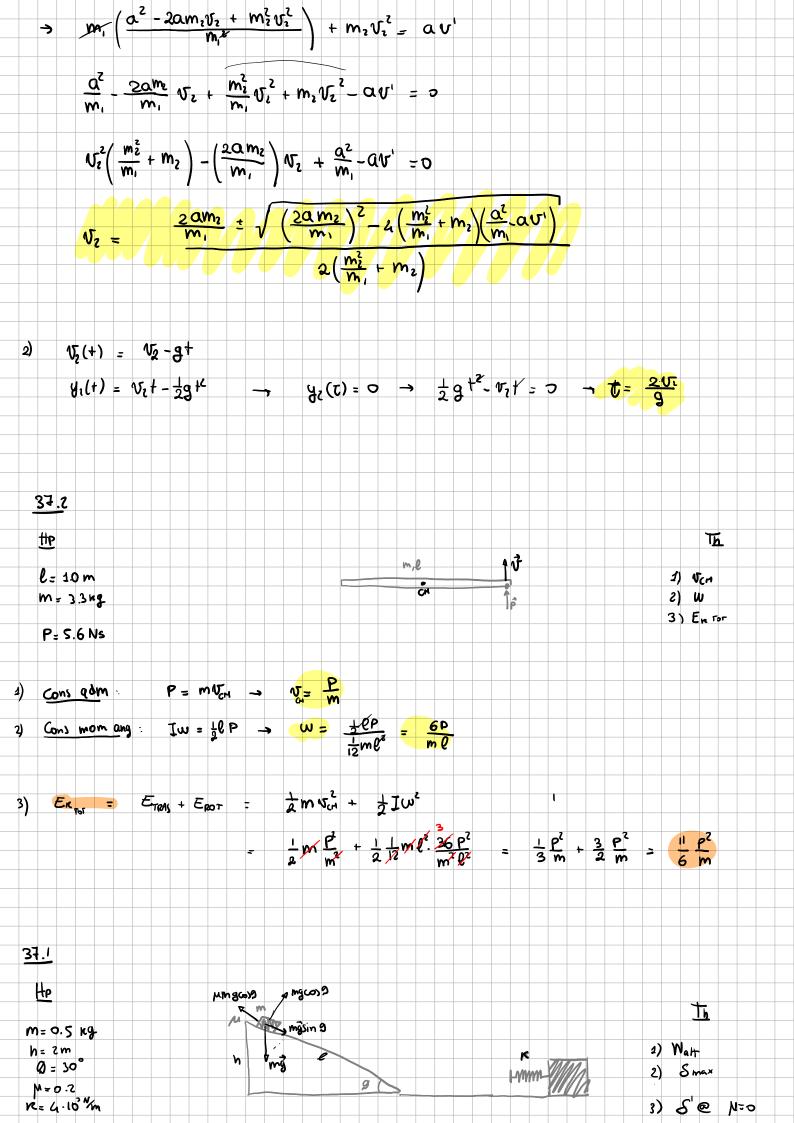
= + kA2 / K Sin 1 COS 1 -

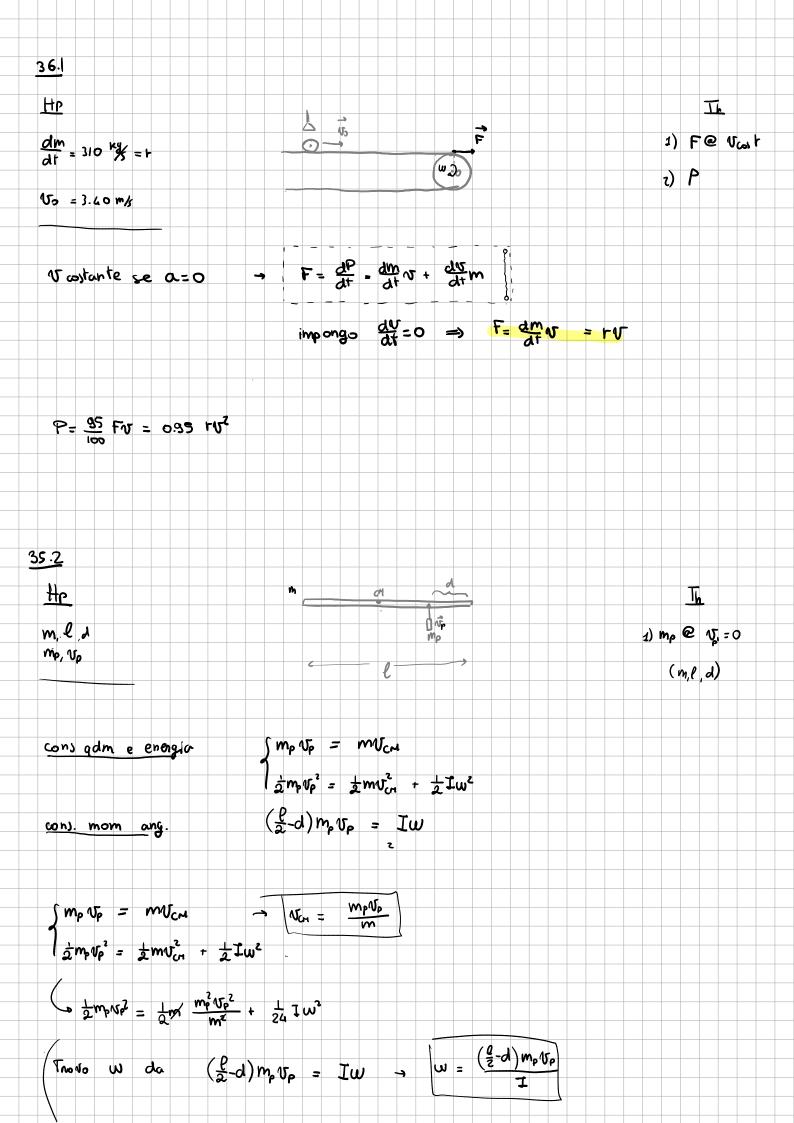


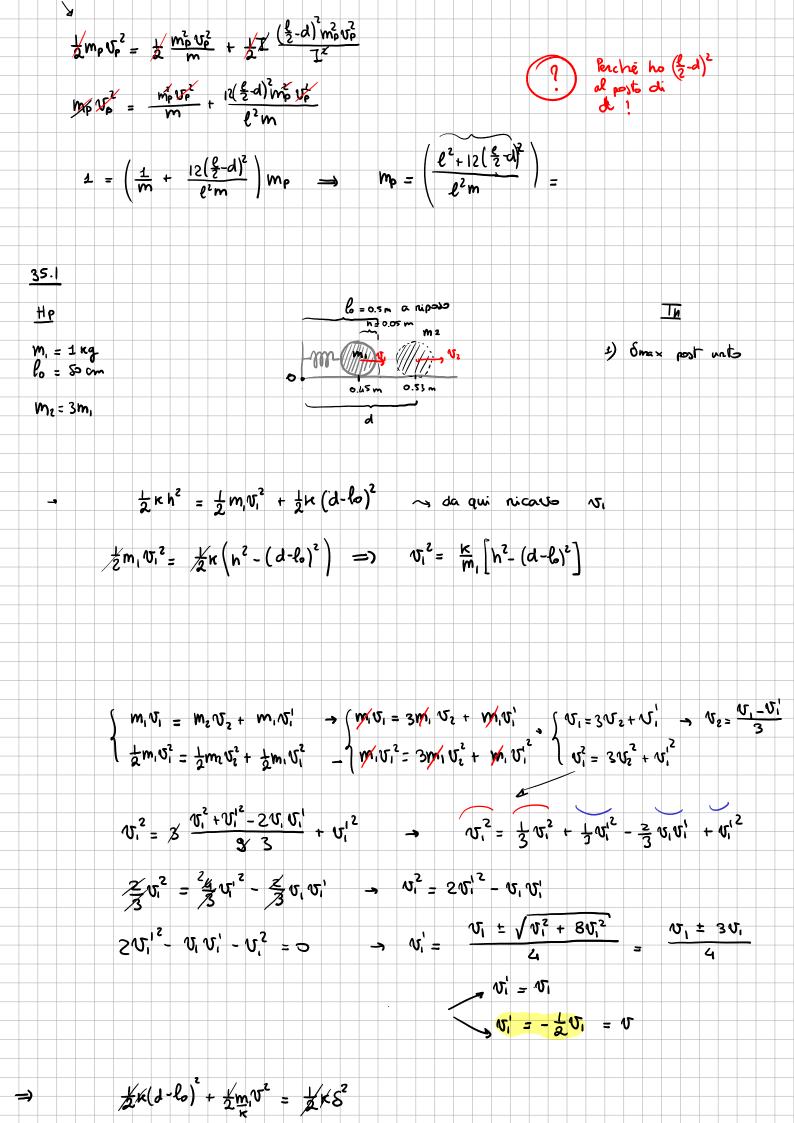


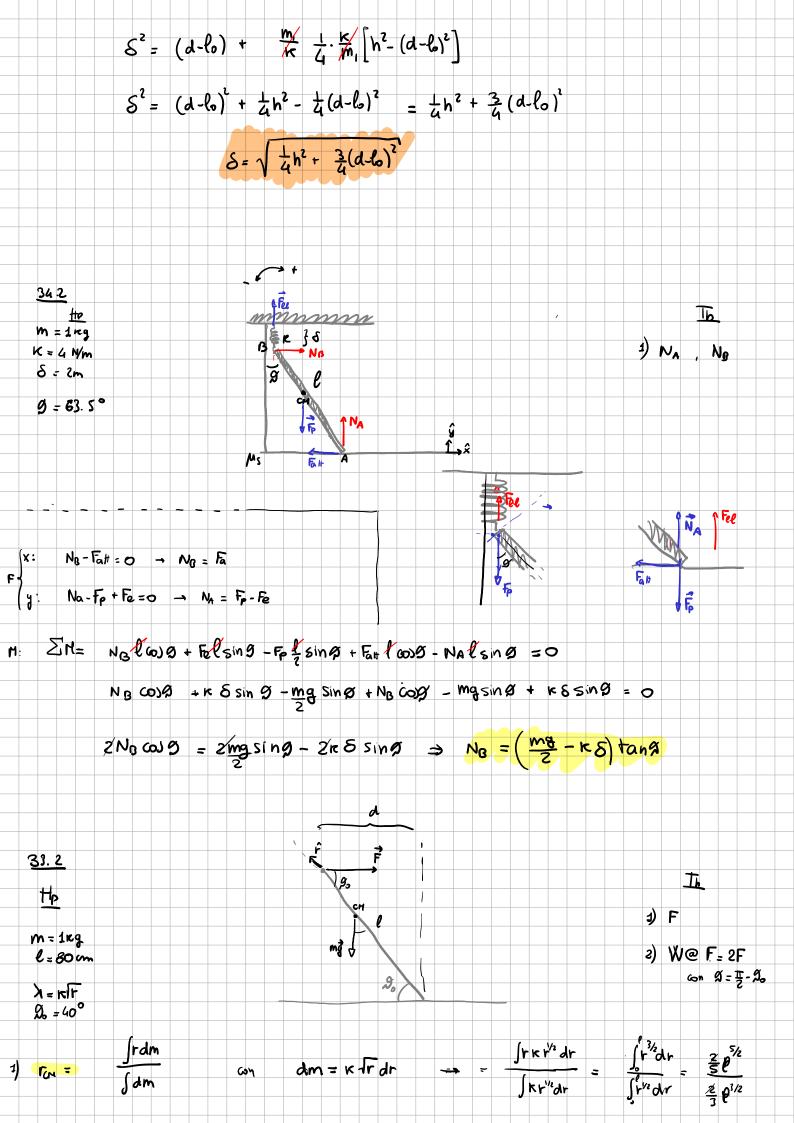


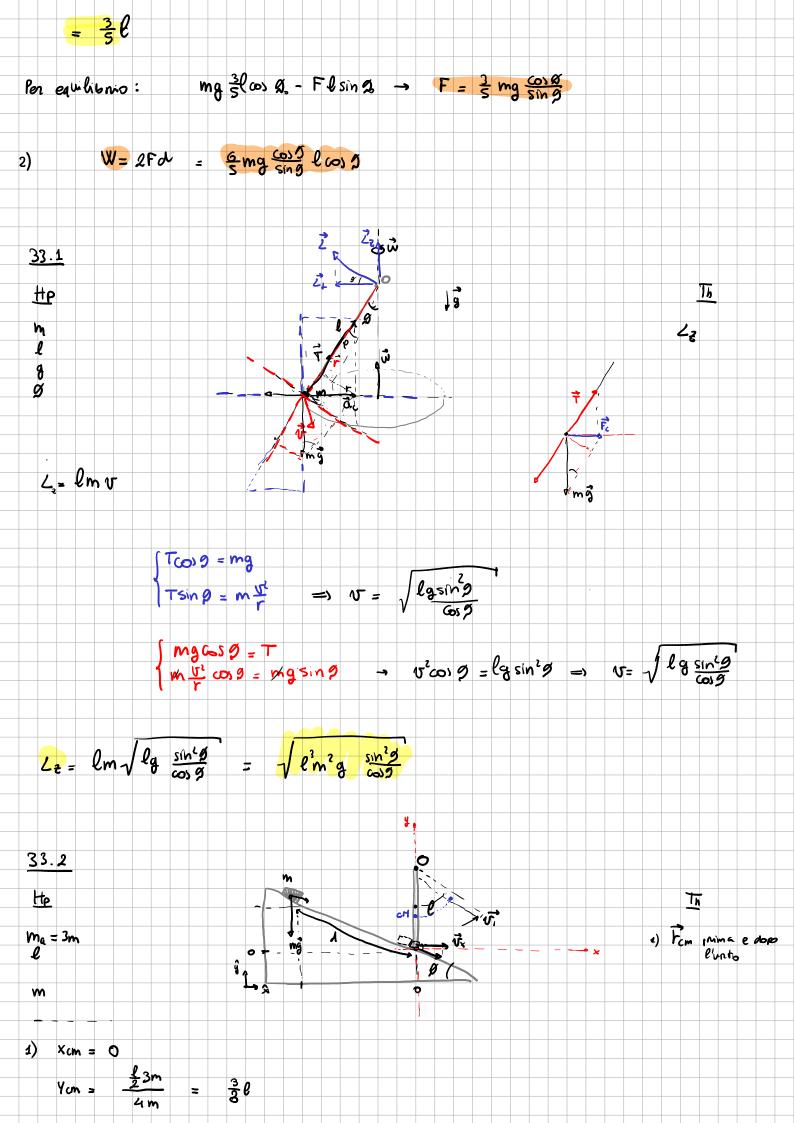
```
m = 5 g
                                   Iow = I,w, -, w, = Iow = mc-mo
1) (on) mon angol
                                   con I_0 = \frac{1}{2}m_c R^2
I_1 = \frac{1}{2}(m_c - m)R^2
       W = DER = \frac{1}{2}I_{\omega_i}^2 - \frac{1}{2}I_{\omega_o}^2 = \frac{1}{2}(I_{\omega_i}^2 - I_{\omega_o}^2) =
e)
                                                    = 1 (1/mcm) R2 m2 (mcm) W2 - 1/2 mc 12 w 2
                                                    = \frac{4}{4} \kappa_2 m_C m_S^2 \left( \frac{m^C - M}{m^C} - 1 \right)
                                                    = 4 Rmc Wo2. m-m
                                         1. ... v(1/2)
   38 T
    He
                                                                                                         The
                                                                                                  ح) لاءٍ
   M, V=30 1%
                                                                                                  2) 6 8 4(6) = 0
    m, = 3m
    m2= 3m
                                      cma temo = mgh = 2 g
     METÁ ZMV2 = Zm Vmoli + mgm/ > Vmeta = Z(V2-gh) - Vmeta = ~V2-gn
                                   \Rightarrow \sqrt{\sqrt{v^2 - \frac{1}{2}v^2}} = \sqrt{\sqrt{12}} \sqrt{v} = \sqrt{v}
      Cons adm
      (m,+m) v = m, v, + m2 v2
                                                    (m, v, + m2 Vz - a - V1 = a - m2 Vz
      \int_{0}^{\infty} \frac{1}{2} (m_1 + m_2) v^2 = \frac{1}{2} m_1 v^2 + \frac{1}{2} m_2 v^2
                                                    m, v, + m2 v, = a v'
```

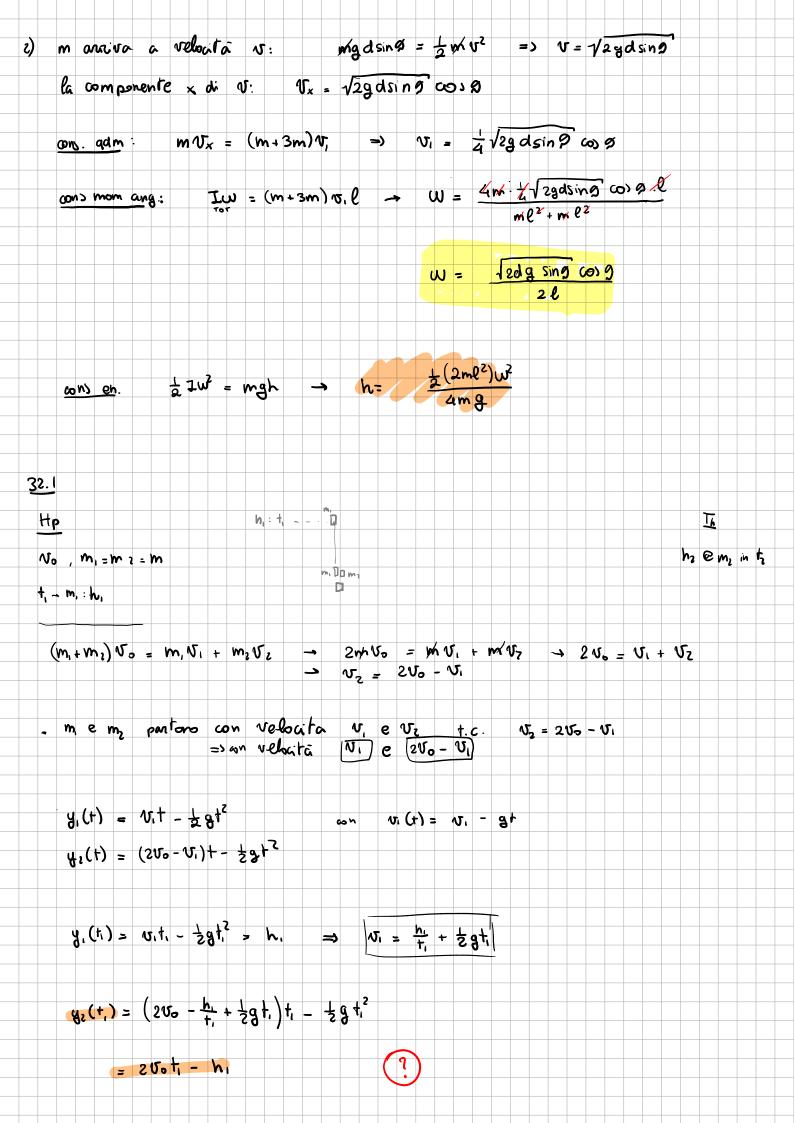


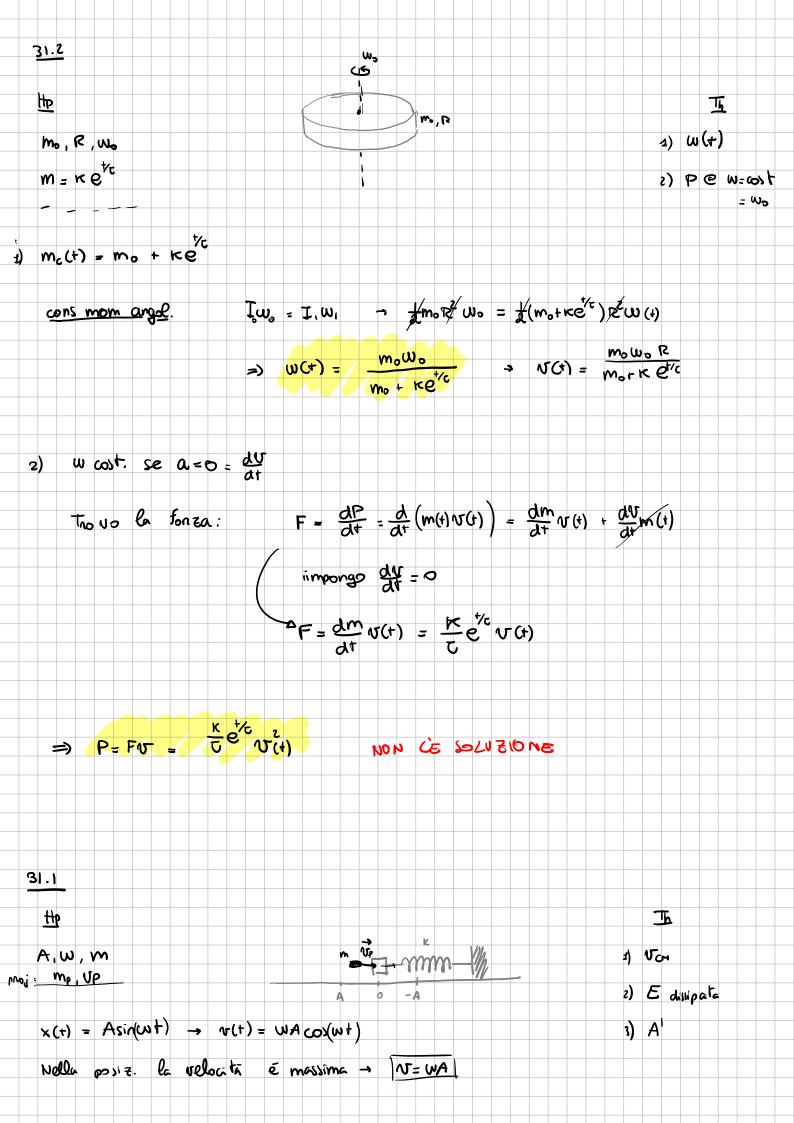












Stelecta addition all presentile. 
$$U = U_p - UA$$

Coro adim.  $M_p(U_p - UA) = (m \cdot m_p) U_{em}$ 

The matter  $M_p$ 

a) Energic distributa.  $\frac{1}{2}m_pU_p^2 + \frac{1}{2}(m_1m_p) U_e^2 + \frac{1}{2}(m_1m_p)$ 

