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Taller 3 Física I - Universidad de los Andes

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a . Posición: (0,2505)
      VEWCUDAD: (1.0 S)
    VELOUDAD =
    → vr+vor+ at
          Tr = 5mls - (9.8) mls (18)
          12 = 4.8 mls
    POSICIÓN =
     - Vc4) = 5mls - (9.8) mls (0,250,1)
          V14) = 5 m/s - 2. 45 m/s
          V(4) = 2.55 m/s
         \chi(t) = \chi_0 + V_0 \chi t + \frac{1}{2} a^{+2} 

\chi(t) = \mu_{0.0 M} + \{2.55 m/5\} (0,250 s) - \frac{1}{2} (9.7 m/5) (0,250 s)^{2} 

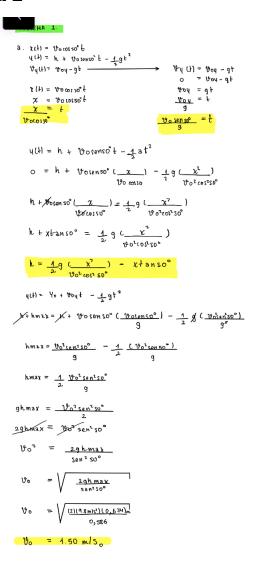
\chi(t) = \mu_{0.0 M} + 0,6335 m - 0,3 m
          x (4) = 40.3 m
b. \chi(t) = \chi_0 + v_0 \chi t + \frac{1}{2} a t^2

0 = u_{0.0} w + (sm/s) t^2 - \frac{1}{2} a t^2

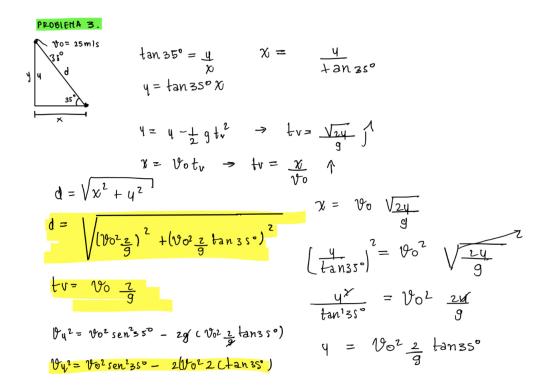
0 = -(u, q) t^2 + st + u_0
           -0 = 4.9t2 - st - 40
           ti= 3.4 s
tz= -2.39s
t. Υx = Υοχ + at

Υx = 5m/s + (9.8 m/x)(3.4x)

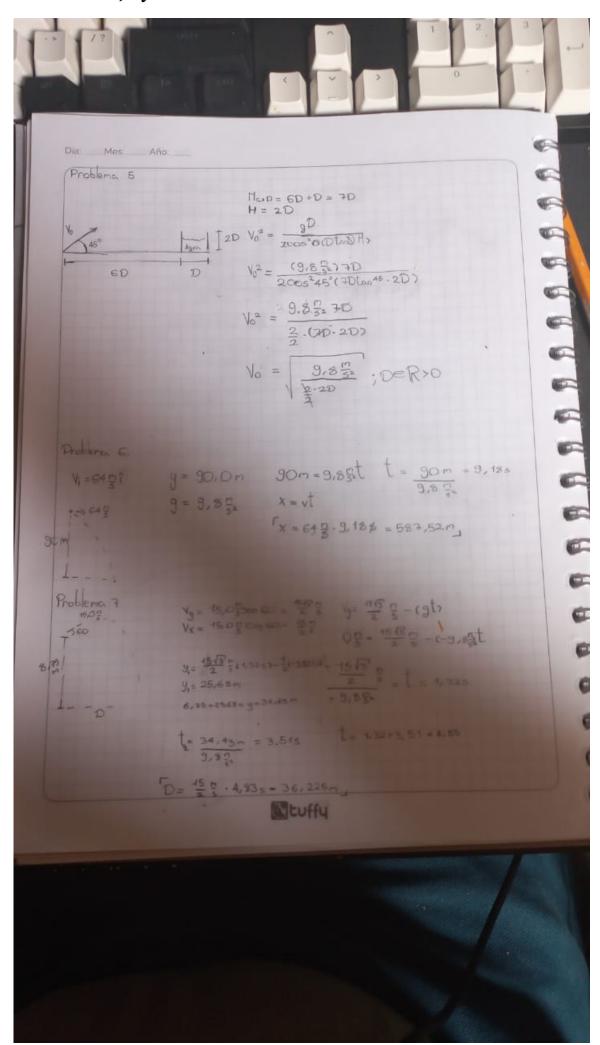
Υx = 38.32 m/s
 d. 40.1 m
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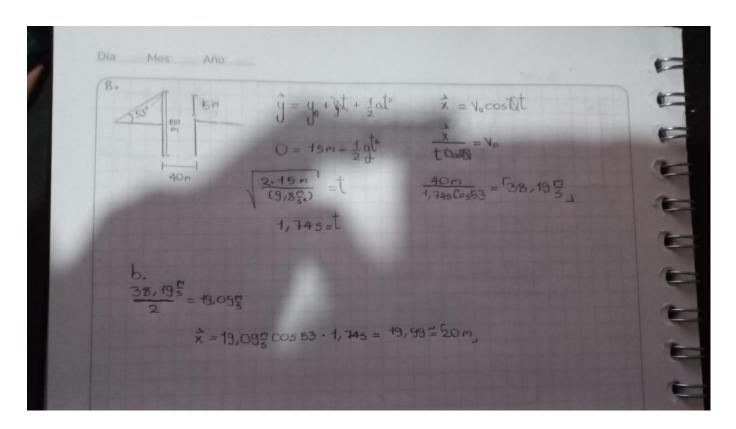
3 Problema 3



5 Problema 5,6 y 7



6 Problema 8



PRODUTENA 9.

Pelota 1

$$q(t) = 40 \text{ m} + 20 \text{ m/s} + 50^{\circ} - \frac{1}{2} 9 + \frac{1}{2} 9 +$$