ZINEMATIKAKO ARIKETAK

b)
$$V = \sqrt{8 - 9^{\frac{1}{2}}}$$

$$V = -9.8 \cdot 6.4 \cdot 962.6 \text{ m/s}$$

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Biak dia gaanako pultiketa
$$-0 \frac{1}{2}9t^{2}$$
 $1 + 10 + 100t - 19t^{2}$
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a)
$$y_1 = y_2$$

 $20 + 35t - u'9x^2 = 30t - u'9x^2$
 $20 = 5t$
 $t = us$
 $y = 30 \cdot (u) - u'9(u)^2 = u''0m//$

b)
$$v_{y_1} = v_{t_{t_1}} - g_t = 25 - q' \cdot \delta \cdot u = -1 \cdot q' \cdot 2m / s$$

 $v_{y_2} = v_{02} - g_t = \infty - q' \cdot \delta \cdot u = -q' \cdot 2m / s$

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V= SUKMIN _ = 15MIS VF= Vo + at
    AUTOMOBILA
                            a) 1 = 15 + 4'5 (t)
     a= u'smis+
                              t ez darigo becaz, beste ervoziotik
    x=250m
                             atecaro dugo
   NE=3
                          x=xo +vot + fate
                       250- 0 +15t +1.4'5.t2
                                t=7'75
                                11-489'7 AM 1511
O VI= UD'S KM IN => BIMIS
                            x = xo + Vot
                              x=0 + 12,1t
   10=0m15
   a = - 1'5m/52
                             x== x0 + vot + fat2
  x = 1000 m
                            x2=1000 + 15(-1'5) t2
                               X2 = 1000 - 0,75t2
                      12,1 t = 1000 -0,75t2
                             t=-12'1 + 1346,41 -12'1+56,1 29,35
                         x = 1211. 29,3=354 ml
                      b) v= 1/5. E = -1/5.29/3 = -44m/s
                     x = x_0 + vt (1) 0 + 6t + \frac{1}{2}gt^2
(2) 0 + (u) \cdot (t-1) + \frac{1}{2}g(t-1)
6 vo>0-06m/s
  t-1- a umis
                         G tay 9t2 4 (t-1) + 419 (t2-2++1)
  EIKOTAN S
                    49146t = ut-4+4/9t2 - 9'8t +419.
                          2t= 0'9
  X=0148m //
                                        t=0,084
```

6
$$y_{2} 25m$$
 $y_{3} 40 + y_{6} = -\frac{1}{3}q_{1}^{2}$
 $y_{1} = 0$ $y_{2} + y_{6} = -\frac{1}{3}q_{1}^{2}$
 $y_{2} = 0$
 $y_{3} = 0$
 $y_{4} = 0$
 $y_{5} = 0$
 y_{5

t= 1'75/)

40 yozom a) y= yo + vot - 19th 9=0+vot-4'912 V= Sm/s y=9w. v= 110 - gt 5 = V0 - 9'8 t Vo= 5+9'8t _ Ordezkatuz,. 9=0+st+a'8t2-4'9t2 a = st + u'ati t= 0,945. Vo= 5 + 9'0 . (0'94) = 14'2m15 b) ywax - v v = o!! 0= Vo - 98t 0= 14'2-9'8-0,44 t t= 1412 - 1,455 y= 14/2 t - 4/9 t2 = 1/1 11

c) t=0'aus11