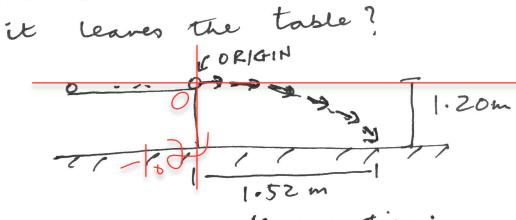
A small ball rolls horisontally off the edge of a tabletop that is 1.20m high. It strikes the floor at a point 1.32m horisontally from the table edge. a) How long is the ball in the air? b) what is its speed at the ustant



Proj:x I y I: 0 I 0

F:1.52l -1.2

a) a = -9

a)
$$a = -9$$

 $y - y_0 = v_{opt} + \frac{1}{2}a_yt^2$
 $-1.2 - 0 = 0 - \frac{1}{2}gt^2$

t = []
b) Horizontal speed
stays constant.

$$x - x_o = (v_o \cos \theta_o) t$$

Vox; Vo costo = Vo Voy; Vo sinto 20