yohandi - assignment 3

$$\frac{A \rightarrow 0}{V_X = \Delta X} = \frac{45 - 15}{15.60} = \frac{1}{30} \text{ m/s} \approx 0.0333 \text{ m/s}$$

the time taken for the ball to hit 32. the wall: t= d = 22.0 s = 1,15 s

b. Vex = Vox (since Vx constant

d. Highest point when
$$Vy=0=25.0 \text{ sm}(40^\circ)-9.01 \text{ t}$$
,

we have ty=1,645 , since 1,15 < 1,64, the ball

has not passed its highest throughout the trajectury

$$(d) T = \frac{1}{t} = \frac{\varepsilon}{10} \approx 200055 \leq$$

time taken to land:

74.

Vpw x = Vpo x - Vwo x