- HW CHECK @ BELL
- RETURN & GOING OVER OF TEST, etc

Apr 20-8:53 AM

P#1

GIVEN: V

FIND Δx, Δy

$V = \frac{\Delta r}{\Delta t}$

$\Delta r = V \Delta t$

$= (3.2 m/s)(25 m \cdot \frac{60 s}{min})$

$= 4800 m$

SPLIT INTO Δx & Δy

Sep 28-1:09 PM

P#5

GIVEN: V_x, a_y

$5.3 \times 10^{6} cm/s^2$

$2.1 \times 10^{2} m/s$

FIND: t FOR $\Delta x = 62 m$

$V_x = \frac{\Delta x}{t}$

$t = \frac{\Delta x}{V_x}$

$V_{oy} = 0$

$V = ?$

a = GIVEN

$\Delta y = ?$

t = FROM ABOVE

USE $\Delta y = V_{oy} t + \frac{1}{2} a_y t^2$

Sep 28-1:12 PM

P#7

0.52 m

15 m

GIVEN: $\Delta x = 15 m$

$\Delta y = 0.52 m$

$a_y = g = -9.81 m/s^2$

t?

FIND: V_x

FIND t FROM Y STUFF

$\Delta y = V_{oy}^{0} t + \frac{1}{2} g t^2$

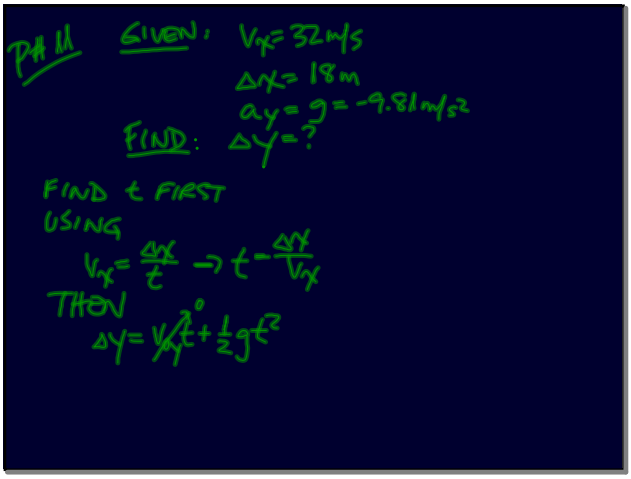
$t = 0.33 s$

NOW USE t TO FIND V_x

$V_x = \frac{\Delta x}{t} = \frac{15 m}{0.33 s}$

$V_x = 45 m/s$

Sep 28-1:18 PM



Sep 28-1:23 PM

Sep 28-1:33 PM