RESOURCES REMINDER

1B: VECTOR LAB

AP: QUESTIONS ON HW
THEN BOWMAN TOURNEY

Oct 1-8:13 AM

4.5

$x = 6.9\,cm$
$V_{ox} = 2.2\times10^{9}\,cm/s$
$V_x = 2.2\times10^{9}\,cm/s$
$a_x = 0$
$t =$

$y = ?$
$V_{oy} = 0$
$V_y =$
$a_y = 5.50\times10^{17}\,cm/s^2$
$t =$

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

$t = \frac{x}{V_x} = 3.14\times10^{-9}\,s$

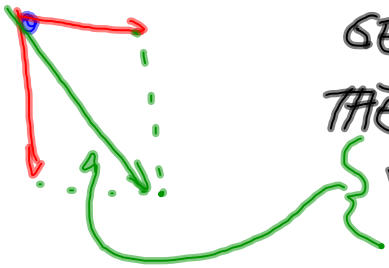
$y = V_{oy}t + \frac{1}{2}a_y t^2$

Oct 1-8:40 AM

48 GIVEN:

$x =$
$v_{0x} = 3.6\ m/s$
$v_x = 3.6\ m/s$
$a_x = 0$
$t =$

$y = 108\ m$
$v_{0y} = 0$
$v_y = ?$
$a_y = -9.8\ m/s^2$
t



$v_y^2 = v_{0y}^2 + 2a_y y$

GET v_y

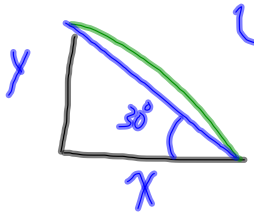
THEN $v = \sqrt{v_x^2 + v_y^2}$

Oct 1-8:50 AM

421

x
$v_{0x} = 4.3\ m/s$
$v_x = 4.3\ m/s$
$a_x = 0$
$t = f(x)$

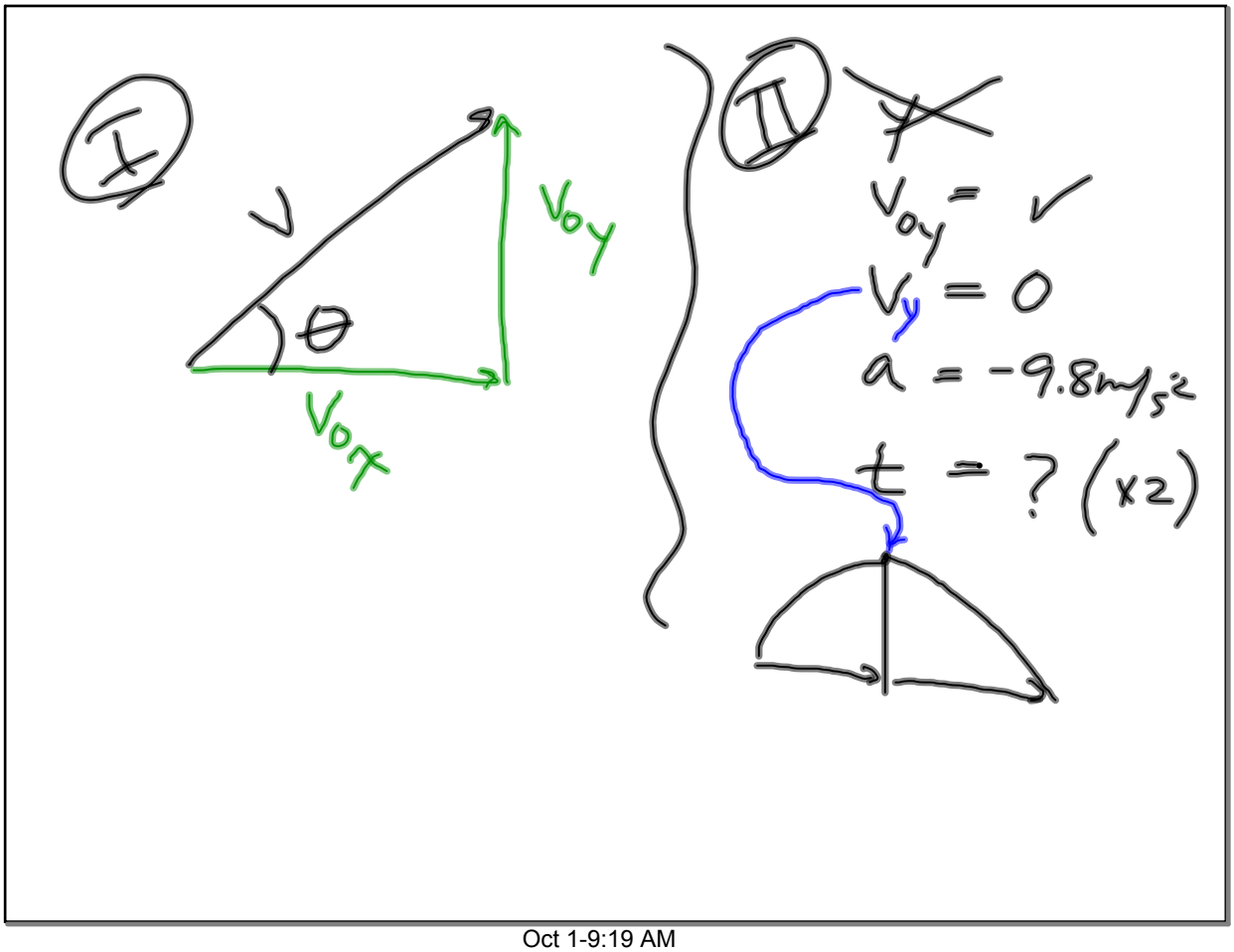
$y = x \tan 30^\circ$
$v_{0y} = 0$
v_y
$a_y = -9.8\ m/s^2$
$t = f(x)$



$\tan 30 = \frac{y}{x}$

$y = x \tan 30^\circ$

Oct 1-8:55 AM



Oct 1-9:19 AM