Maximum Height of Jinimy in meters.
3 3 3
given vollves. final time = . 833
find initial velocity given peak time and final velocity.
mux height = U, of mex height
V <sub>1</sub> = nex heigh at 0.2 seconds.  (9 81)(.2) = 1.962 m/s.
AY = V.T + 1/2 gT2
$\Delta Y=(1.962)(2)+1/2(9.81)(.2)^2=[.1962 \text{ meters}]$
AY = (. 1962) A
T = 0.833 seconds.
.8332 = .633 seconds AX = VoT + 1/2 gT <sup>2</sup>
· · · · · · · · · · · · · · · · · · ·
$\Delta X = (-1.962)(.633) + (-9.81)(.633)^{2}$
-3.207
$=\Delta_{4}=0.1962+1-5.173$
$\Delta Y = 5.37M$