Name:

Hang Time Activity

So just how much "hang time" did he get?

$y = \frac{1}{2}at^2$

g

$t = \sqrt{2y/g}$

$t = \sqrt{2(1.25)/9.8}$

double it

$T = .50$ s

1 second record hang time

Y = 'length of the vertical jump' (must be measured in meters)

g = 'acceleration due to gravity' or 9.8 m/s^2

t = hang time in the air

SHOW YOUR WORK!

Person 1 Vertical:_____

Person 1 Hang Time: _____

Person 2 Vertical:_____

Person 2 Hang Time: _____

Person 3 Vertical:_____

Person 3 Hang Time: _____

Person 4 Vertical:_____

Person 4 Hang Time: _____