

Sample Calculation for Lab 02

A ball is shot upward and is observed to rise 4 m above the initial position. Calculate the vector initial velocity.

The same ball is now shot (with the same speed that you calculated above) but in the x-direction at a height of 10 m above the ground. How far in the x-direction will the ball travel when it hits the ground.

Be sure in your sample calculation to follow through with details and correct units.