

Projectile Motion

In-Class Examples

1. A 2.0-kg object is thrown at an angle of 58° above horizontal. This object land on the ground 10.0 seconds later. The ground level is 40.0 m below the launching level.
 - a) Find the object's initial velocity.
 - b) Find the horizontal displacement of the object.
 - c) What is the distance between the launching point and the point the object struck the ground?
 - d) What is the final velocity of the object just before it hits the ground?