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?