A ping pong ball is thrown from the roof of Weniger Hall with an initial velocity that makes an angle θ up from horizontal. The ball experiences a drag force that is proportional to its velocity.

Use Newton's 2nd Law to solve for the position of the ping pong ball for any value of time.

Hints:

- Consider the horizontal and vertical components of the motion separately.
- While you're planning and working on your solution, be prepared to answer the following questions:
    1. What are you doing right now?
    2. How will the result help you?
    3. How are you checking that the result is sensible?