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?