Physics 3210, Spring 2019

Discussion #2

- 1. A skier leaves a ski jump with a speed v = 12.0 m/s at $\theta = 20.0^{\circ}$ above the horizontal as shown. The slope where she will land is inclined at $\phi = 42.0^{\circ}$, and air resistance is negligible.
 - (a) Find the distance from the end of the ramp to where the jumper lands.
 - (b) Find the skier's horizontal and vertical velocity components just before landing.

