

10) At time $t = 0$ a skier leaves the end of a ski jump with a speed of v_0 feet per second at an angle α with the horizontal (see the accompanying figure). The skier lands 259 feet down the incline 2.9 seconds later.

a) Approximate v_0 and α

b) Use your graphing calculator with the numerical integration feature to approximate the distance traveled by the skier.

