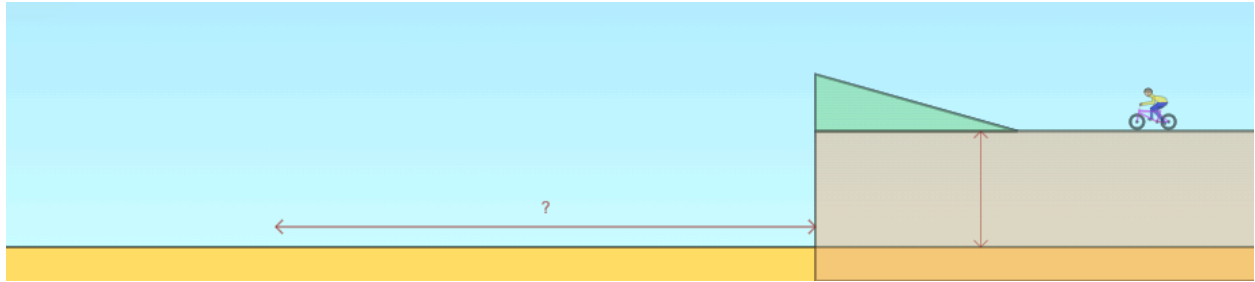


Jumping Joey Cliff

Step 1: In the picture below, put in the speed of Joey, the angle and length of the ramp, and the height of the cliff



Step 2: Find the total height of the end of the ramp from the ground at the base of the cliff. Show all the steps neatly below.

Step 3: Find the components of your velocity vector as Joey is coming off the ramp (remember the speed of Joey doesn't change as he is traveling up the ramp. Show all the steps neatly below.

Step 4: Show the calculation that will allow you to find the time Joey spends in the air

Step 5: Show the calculation for the distance traveled by Joey while in the air. Enter your answers into the program to make sure you did everything correctly.