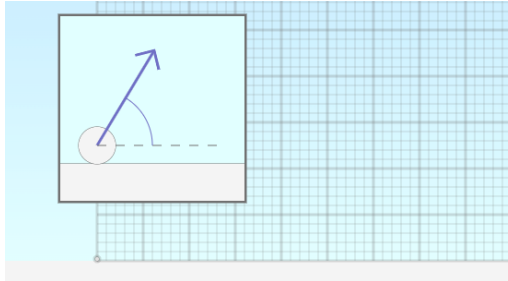
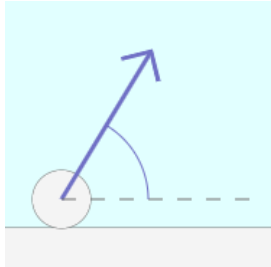


# Ground to Ground Soccer Kick Problem

Step 1: In the picture below give the values of all the variables for your problem including the gravitational field of the planet where this ball is going to be kicked from



Step 2: Make a velocity triangle out of the ball's velocity and fill in the two numbers that you know. Use this to find the x and y components of the velocity. Show your work neatly below.



Step 3: Find the time the ball will remain in the air. Show your work below.

Step 4: Find the horizontal distance traveled by the ball. Show your work below. Enter your answer into the program to make sure you did everything correctly.