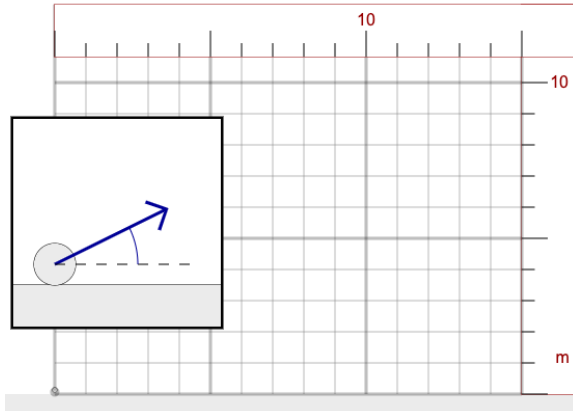
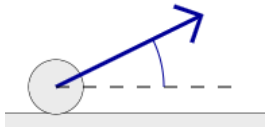


Ground to Wall Soccer Kick Problem

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. Also draw in the wall at the appropriate distance from the location that the ball is being kicked



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 it will take for the ball to reach the wall. Show your work below.

Step 4: Find the height of the ball when it reaches the wall. Show your work below. Enter your answer into the program to make sure you did everything correctly.