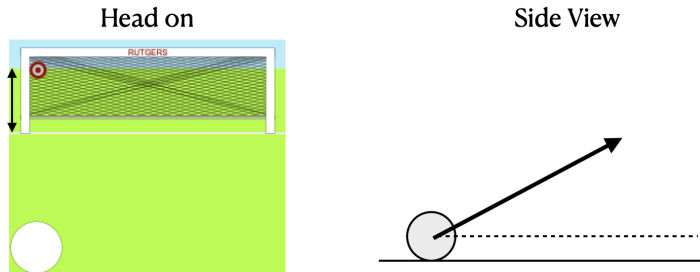
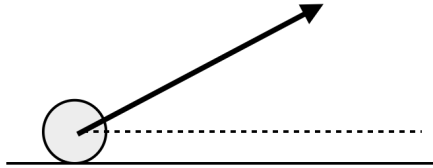


Soccer Shot

Step 1: In the pictures below give the values of all the variables for your problem



Step 2: Find the components of your velocity vector. Show all the steps neatly below.



Step 3: Show the calculation that will allow you to find the time it takes the ball to reach the height of the target. It will reach this height twice, you want the second one when the ball is on the way back down.

Step 4: Show the calculation for the maximum distance away for this ball to hit the target. Enter your answers into the program to make sure you did everything correctly.