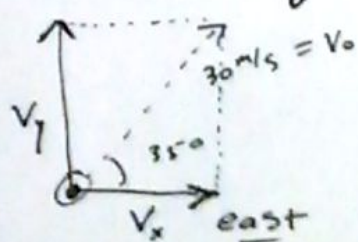


Name:

David Beckham Kicks a Soccer Ball
at an angle of 35° and a speed of 30 m/s .



1.) Find the V_x and V_y components:

$$V_x =$$

$$V_y =$$

2.) a.) How long will the ball be in the air?

b.) How high did the ball travel?

c.) How far horizontally did the ball travel?

d.) What is the ball's speed at the highest point?

3.) If the goal is 3 meters high and 21 meters east away from David Beckham, will he score a goal?
Why or why not?