Acceleration from Displaced Angle

Step 1: Below is a picture of your displaced ball on a string. Record the mass and the angle of displacement. Finally, calculate the force of gravity on the ball. Show your calculation to the right of the picture



Step 2: Show the force vectors for tension and gravity and then break tension up into its x and y components. Show how you calculate the force tension in the rope.



Step 3: Show your calculation for the acceleration of the car. Enter your answers into your program to check that you did everything properly