Worksheet on the circular motion

1- Calculate the centripetal acceleration of a moving car in a circular track of radius 60 m with a constant velocity of 24 m/s.

2- If the acceleration of a rotating train in a circular track is 6 m/s^2 while the train moved around a center of the circular track of radius 200 m, What is the velocity of the train?

3- A football player runs in a circular track of radius 25 m. If the player moves 120 m taking 16 s, Calculate the acceleration of the player.