Question:19927
1)If a car moves with a uniform velocity in a circle what will it's acceleration be?
2)And If a car moves with a uniform speed in a circle what will it's velocity be?

Answer:

At movement on a circle the car has:

1) The radial acceleration (or centripetal acceleration)
$a_{r}=\frac{v^{2}}{R}$,were: $R-$ is the radius, $v-$ is the velocity
2) The angular velocity (the change in angular displacement per unit time)
$\omega=\frac{v}{R}$,were: $R-$ is the radius, $v-$ is the translational speed
