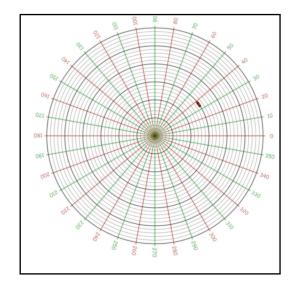
Practice With Angular Speed and Linear Speed

Below is a picture of a car at two different locations. It took the car, 6.18 seconds to go from the first position to the last position. The car did less than a full revolution. Use these pictures to find all of the following variables.



$$\Delta\theta =$$

$$t =$$

$$\omega =$$

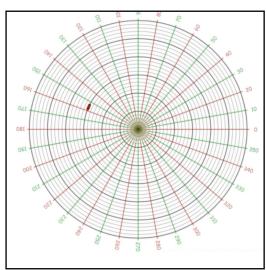
$$T =$$

$$f =$$

$$rpm =$$

$$C =$$

$$v =$$



- 1. Quick math from using ideas from lab
 - a. What is the period of an object that makes 2 revolutions in 40 seconds?
 - b. What is the frequency of an object that makes 14 revolutions in 0.5 seconds?
 - c. What is the rpm of an object that makes 98 revolutions in 120 seconds?