G11_Angular displacement & Angular velocity

A. Convert the following units.

1.	1200 →	radians
	5506767 7001	10/01/50/00/50/50/50/50/50/50/50/50/50/50/50/

6.
$$\frac{2\pi}{3}$$
 radians \rightarrow degree

B. Short answer.

1. A tire rotates at a constant 1.5 radians every 0.1 second. What is the tire angular velocity? rad/s.

If the tire has diameter 80 cm, what is the linear speed velocity? cm/s

2. A mass of 1.5 kg moves in a circle of radius 25 cm at 2.0 Hz. Calculate the angular velocity rad/s and linear

velocity m/s