

Exercise 9-15

$$v = r \omega$$

↑  
must be in rad/s

$$\begin{aligned} \therefore v &= 0.900 \text{ m} \left( 1.50 \frac{\text{rev}}{\text{s}} \times \frac{2\pi \text{ rad}}{1 \text{ rev}} \right) \\ &= 8.48 \text{ m/s} \end{aligned}$$