

## Problem 4.27

This is a very easy centripetal force problem.  
The sketch to the right looks down from above.

$$\begin{aligned} a_r &= \frac{v^2}{R} \\ &= \frac{(20.0 \text{ m/s})^2}{(1.06 \text{ m})} \\ &= 377 \text{ m/s}^2 \end{aligned}$$

