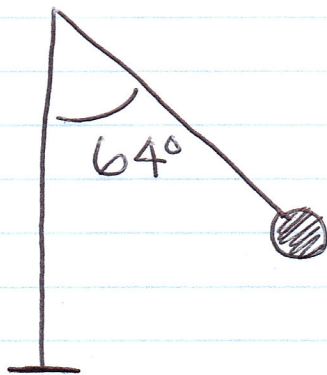


- ① A ball is on the end of a rope that is 1.32 m in length. The rope makes an angle of 64° with respect to the vertical. What is the tangential speed of the ball?



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- #2 A baseball batter hits a long fly ball that rises to a height of 48 m. An outfielder on the opposing team can run 7.30 m/s. What is the furthest the fielder can be from where the ball will land so that it is possible for him to catch the ball?

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- A ball thrown into the air follows a parabolic trajectory. At the highest point in the trajectory:
- A. Both velocity & acceleration are \neq
 - B. The velocity is \neq but the acceleration is not \neq
 - C. neither the acceleration nor the velocity are \neq .