## Particle F=ma (n-t): Example Problem 1

A 10 kg pendulum swings in a vertical plane from a slender, massless, 5 m long cord. At the position shown, the pendulum has a speed of $3 \mathrm{~m} / \mathrm{s}$. Please determine: (a) The tension in the cord.
(b) The acceleration along the path.


