Work and Energy Page 1

A Im pendulum with a 16g bell at the
and is raised 0.34 m vertically. It is released,
what is the maximum velocity?
media is the maximum velocity?
media is the maximum velocity?

$$M_{10} = P_{10}^{K}$$

 $M_{10} = P_{10}^{K}$
 M_{10}^{K}
 $M_{10} = P_{10}^{K}$
 M_{10}^{K}
 M_{10

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Work and Energy Page 2

$$\frac{441}{2}m^{2} = \frac{1}{2}m v_{B}^{2}$$

$$\frac{196m}{2m} = \frac{1}{2}m v_{c}^{2}$$

$$\frac{196m}{2m} = \frac{1}{2}m v_{c}^{2}$$

$$\frac{1882}{2m} = \frac{1}{2}m v_{c}^{2}$$

A Pendulum is lifted at a 34° angle. The pendulum is 2.7m long. What is the velocity of the pendulum when it is at the bottom of its swing? SOH/CAH FOA $\cos 34^\circ = \frac{x}{2.7} \Rightarrow x = 2.7\cos 34^\circ$ h = h = 2.7 - xMox <u>KE</u> <u>KE</u>