

Homework assignment Due Friday, 04/09

A bullet of 10 g at 200 m/s shoot at a target of 1Kg hanging stationary below a string as shown in the figure. The bullet is completely buried into the target. What is the maximum height the target will swing up? Please carefully show your calculation. (Hint: please consider a two step processes: a. the bullet shoot and buried in very quickly, and b. the swing up process.)

