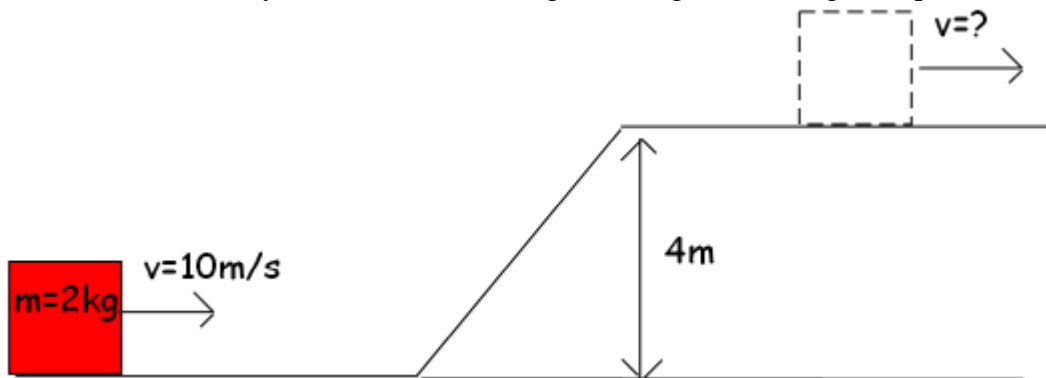


Homework 2

Due Thursday, September 18, 2013

The quizzes will always have problems from the homework assignments

1. Give 2 different applications where you witness Energy Conversions. Discuss the role of losses to hold the law of energy conservation true over the application. You can take the example of a hydro power plant, steam power plant, generator, motor or any other application you witness.
2. Find the final velocity of the box in the given diagram as it goes up the inclined.



3. Find the compression in the spring in the given diagram when the ball is dropped over it..

