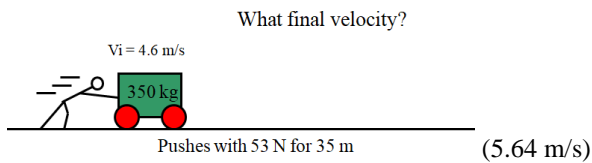
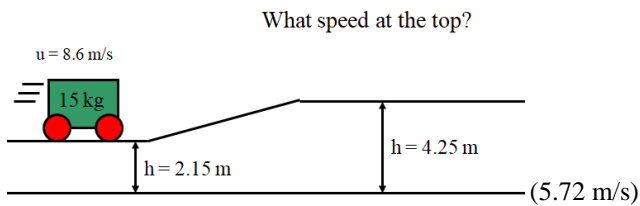
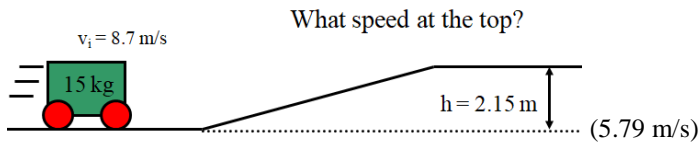
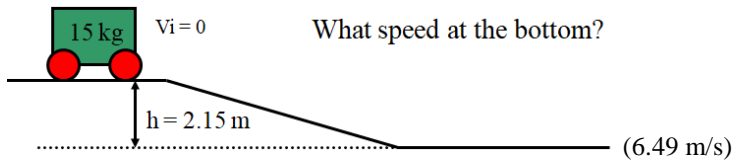
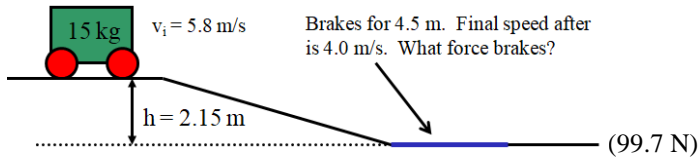


**Quizlette 6.2 - Conservation of Energy with Pictures** Name \_\_\_\_\_

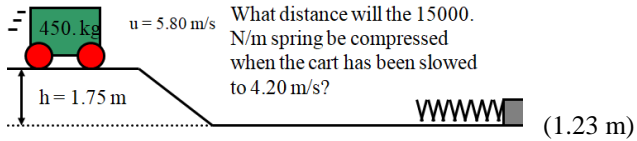
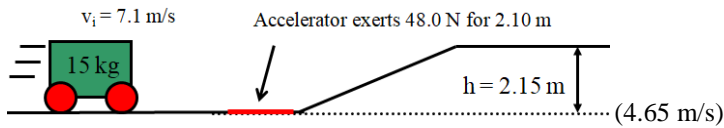
(Remember, the test will not have any pictures - so you need to work on the practice 6.2 when you are done with this)

$$Fs + mgh + \frac{1}{2}mv^2 + \frac{1}{2}kx^2 = Fs + mgh + \frac{1}{2}mv^2 + \frac{1}{2}kx^2$$





What speed at the top?



A 140. gram steel marble compresses a 35.0 N/m spring a distance of 12.0 cm. What is the greatest height the marble reaches above its lowest position? (18.3 cm) What is the speed of the marble when it has risen only 15.0 cm? (0.811 m/s)

