

Name:	
ID:	
Total Score (out of 10 pts):	

-4/10 points for attending-

Question 1 (6/10 points)

A system of two masses is connected by a massless rope through a pulley that loses 20 J of energy for every meter of rope to friction. Find the speed the orange bucket (12.0 kg) when it hits the ground as released from 2.00 meters high. ($g \approx 10 \text{ m/s}^2$)

