	D. All of the ab	oove					
2.	Impulse is equal to A. Velocity B. Mass C. Force D. Momentum E. Force x Velo						
3.		the momentum of an B. $\times 1/2$		must change by a factor: D. × 1/4			
4.	change in velocity i	s created. If the tire	ne interval the forc	face over a time interval, a e is applied increases by a change in velocity for the			
	One egg is thrown against a solid wall, while a second egg is thrown against a hanging bed sheet. Both eggs have the same initial velocity (35 miles per hour) and the same final velocity (zero miles per hour). Which egg experiences a greater change in momentum? A. The egg stopped by the wall. B. The egg stopped by the hanging sheet. C. Both eggs experience the same change in momentum. One egg is thrown against a solid wall, while a second egg is thrown against a hanging						
	bed sheet. Both eggs have the same initial velocity (35 miles per hour) and the same final velocity (zero miles per hour). Which egg experiences a greater force? A. The egg stopped by the wall. B. The egg stopped by the hanging sheet. C. Both eggs experience the same force.						

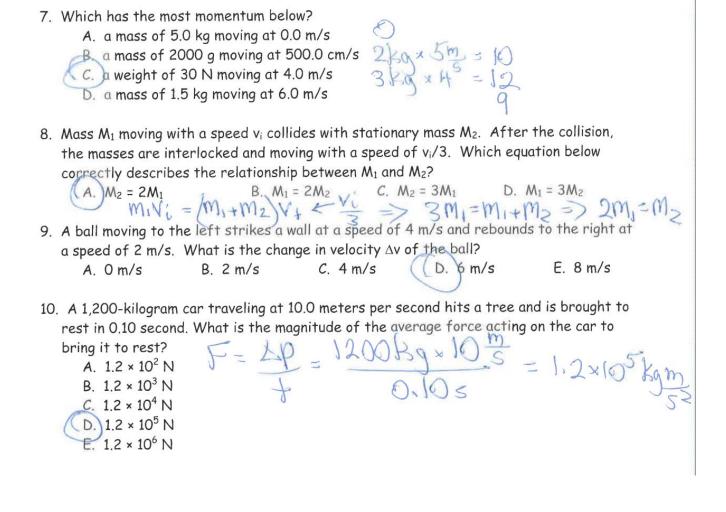
Chapter 8 Practice Test

I. MULTIPLE CHOICE! Choose the one best answer each. Assume $g = 10 \text{ m/s}^2$.

1. The momentum of an object is proportional to its

Name:

A. Velocity B. Mass



$$V_f = (25.00)(0.1805)$$

$$V_{i} = 0$$

$$= 36.9 \frac{m}{5}$$

(3)
$$Ff = \Delta p \Rightarrow f = \Delta p$$
 $f = (4.00 \text{kg})(4.40 \frac{\text{m}}{\text{s}}) - 0$

12.00

(3)
$$F_{t} = \Delta p = m \Delta V$$

$$= (65.0 \times 10^{3} \text{ kg/s} / \text{s} + m)$$

$$= (3.51 \text{ kg/m})$$

$$= 3.51 \text{ kg/m}$$

$$= 3.51 \text{ kg/m}$$

$$= 3.51 \text{ kg/m}$$

$$= 3.90 \times 10^{3} \text{ N}$$

$$P_{i} = P_{f}$$

$$m_{i} V_{i} + m_{2} V_{2} = (m_{i} + m_{2}) V_{4}$$

(5)
$$P_i = P_f$$

 $m_i V_{i:} + m_2 V_{2:} = (m_1 + m_2) V_f$
 $V_f = \frac{m_1 V_{i:} + m_2 V_{2:}}{m_1 + m_2}$
 $= \langle 1.90 kg \rangle (26.0 \frac{m}{5}) + (0.600 kg) \langle 6.00 \frac{m}{5} \rangle$
 $= \langle 1.90 + 0.600 kg \rangle$

Bonus: Mgullet Voullet = Mtohl Vtotal Vpullet = Mtotal (VZh) Mgullet Vaulet = (0.014kg+2.5kg) (\(\int Z(9.8m/s) \) (0.18m)

6.
$$e = V_B' - V_A'$$
 $|S + Equation'|$
 $|S - V_B'|$
 $|$