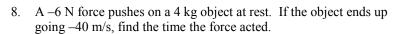
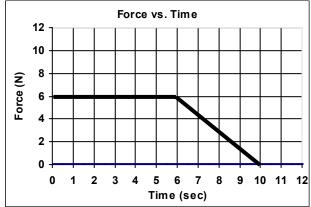
PreAP: due Thur., Dec 8 (Assigned: Tues., Dec 6) Reg: due Fri., Dec 9 (Assigned: Wed., Dec 7)

Momentum Test Review

Ke	g: due Fri., Dec 9 (Assigned: Wed., Dec 7)	111 1000		, 10 , ,						
1. 2.	Decide if the following are Elastic Collisions (E), Inelastic Collisions (I), or Perfectly Inelastic Collisions (PI). (If more than one, give both.) A Momentum is conserved, kinetic energy is not conserved B Momentum is conserved and they stick together. C They collide, do not stick together, and kinetic energy is conserved. Circle the one with more momentum:									
		ard to stop of kg object go							3 m/	/s.
3.	If a 3 kg ball going 6 m/s is bounced off of a wall and ends up going 4 m/s. Find the Δp of the ball.									
 4. 5. 	If the collision with the wall took 0.2 seconds, find the force the ball felt from the wall. In #3. Is the collision with the wall elastic or inelastic?									
6.	A 25 kg person running at 5 m/s jumps into a 30 kg boat originally at rest. How fast will the boat and person be going afterward?									
7.	Using the graph at the right find out the final velocity of a 4 kg object that was originally going -5 m/s.	12		Foi	rce v	/s. T	ime			





- 9. A 16 kg canoe going 12 m/s to the left makes a head-on collision with a 4 kg raft going right at 6 m/s. If afterward the raft ends up going 22.7 to the left.
 - A. Find the final velocity of the canoe.
 - B. Determine if the collision was elastic or inelastic.

- 10. In order for an experiment to be valid how many experimental variables must there be?
- 11. A person is trying to see if objects of different mass fall at the same rate (if they'll hit the ground at the same time).
 - A. What is the experimental variable?
 - B. Give three control variables:
 - C. Give the control setup:
- 12. Which of the following are the most closely related?
 - A. If they are in the same phylum;
 - B. If they are in the same genus;
 - C. If they are in the same family;
 - D. If they are in the same order.
- 13. For the following scientific names circle the species name and underline the genus name
 - A. Canis lupus
 - B. Homo sapien
 - C. Taxidea taxus