

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

-4/10 points for attending-

Question 1 (6/10 points)

Two solid spheres of masses $m_a=10.0$ gr, $m_b=30.0$ gr collide elastically with each other. Velocities of each sphere are given as $v_a=2$ m/s towards right and $v_b=4$ m/s towards left before the collision. Find the velocity of each sphere after the collision.