Honors	s Physics		Date	Momentum WS #3 Mrs. Nadworny
	Bou	ncy (Elastic) C	Collisions	
	ons: Read textbook pages 226 – oper significant figures. Be sure t			s using the GUESS method
1.	Cart A, of mass 1.2 kg, is at rest kg, which is moving to the right at to the right at 4.9 m/s. Calculate	at a velocity of 10	0.4 m/s. After the	
2.	A 2610 kg truck is traveling Wes East at 15.4 m/s. After the collis the velocity of the 3660 kg truck	sion, the 2610 kg		
3.	A 0.158 kg apple is traveling wit kg orange traveling at 7.65 m/s momentum of 1.43 kg·m/s West	West. After the c	ollision the apple	e is traveling with a
4.	Bo Linball rolls a 6.3 kg bowling standing still, and Bo hits it head acquires a forward velocity of 14	d-on with a (forwa	ard) velocity of 9.2	2 m/s. The 3.1 kg pin

Answers in size order: 1.9, 2.88, 4.36, 8.2