	A	B	C	D	E	F
1	Grady Sullivan					
2	10/8/2019					
3	ECE 202 Fall 2019, Excel Exercise E1					
4	Finding the final velocities of two carts					
5	https://academo.org/demos/one-dimensional-elastic-collisions/					
6						
7	GIVENS	Trial 1	Trial 2	Trial 3	Trial 4	Trial 5
8	Mass (g)					
9	m1 (g)	250	60	250	250	250
10	m2 (g)	150	150	400	150	150
11	m total (g)	400	210	650	400	400
12						
13	CALCULATIONS					
14	Velocity (cm/s)					
15	v1i (cm/s)	40	40	40	20	40
16	v2i (cm/s)	-30	-30	-30	-30	-50
17	v1f (cm/s)	-12.5	-60	-46.15384615	-17.5	-27.5
18	v2f (cm/s)	57.5	10	23.84615385	32.5	62.5
19						
20	CHECKS					
21	Change in Momentum ((g*cm)/s^2)	0	0	0	0	0
22	Change in Energy ((g*cm^2)/s^2)	0	0	0	0	0