Physic			7 11	
Inv-2 Exploration Lab Free Fall			sheet #	
1.) Write down the mass marked on	the small ball and b	asketball:		
Small ball:	Basketb	all:		
Free Fall from a short height				
		f a chair or	table around the room	and drop each sphere from the ceiling.
The small ball's center of mass	s will fall	_ m Th	e basketball's cent	er of mass will fall m
Drop each ball three times.	small ball	_	<u>basketball</u>	
1st trial		sec		sec
2nd trial		sec		sec
3rd trial		sec		sec
Average time>		sec		sec
Show work below:				gures.
Show work below:	ch ball first without	and then wi	th significant figures:	ll's acceleration from the ceiling
without sig figs	ch ball first without from the ceiling	and then wi	th significant figures: Basketba	l's acceleration from the ceiling
Show work below: 4.) Determine the acceleration of each Small ball's acceleration without sig figs Free Fall from a large height 5.) First, we will use the tape to m	ch ball first without from the ceiling with sig figs	and then with	th significant figures: Basketba without sig f	ll's acceleration from the ceiling igs with sig figs
4.) Determine the acceleration of each Small ball's acceleration without sig figs Free Fall from a large height 5.) First, we will use the tape to make height = 6.) Now have one person take the s	ch ball first without from the ceiling with sig figs with sig figs easure the height from meters and ball and the ba	and then with the second secon	th significant figures: Basketba without sig f	e stadium to the ground.
4.) Determine the acceleration of each Small ball's acceleration without sig figs Free Fall from a large height 5.) First, we will use the tape to make the selection height = 6.) Now have one person take the selection will carry the balls to the top of the	ch ball first without from the ceiling with sig figs with sig figs easure the height from meters and ball and the ba	and then with the second secon	th significant figures: Basketba without sig f	e stadium to the ground.
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8.) Compare accelerations from a short height and a large height. Which one do you think is more accurate. Explain why this is: