Name:						Date	:		
Name: Dr. Croom's Physics		Date:Chapter 2: One Dimensional Motio					ional Motion		
Solve th	ne following problem	<b>S</b>		ore Kine			:- 4h	li+- i	/29 H a ah a
1.	The earth-moon distantiles/hour?	ance is 3.84*10'	°m. If it tak	es 3 days to	get to the	moon, what	is the average	ge velocity in	m/s? How about
2.	In the game of baseb from home plate, how this take to get to how good pitcher? Based ball?	w long does it ta me plate? What	ake the ball t is the differe	o get there? ence in velo	If the pitcl cities? Car	ner now throng the second through the second throug	ows a change hy "changing	e-up at 60 mp g speeds" is s	h, how long will o important to a
3.	Two cars are racing of m/s in 13 seconds. It distance of the race is thunderbird's average many seconds?	The second, and one s 7000 meters.	old black Jee What is the a	p, accelerate acceleration	ed from res	t to a maxii derbird? W	num speed of hat is the acc	of 40 m/s in 10 celeration of the	O seconds. The the Jeep? If the

4. A ball is thrown vertically upward with an initial velocity of 52 m/s. Calculate the position and the velocity at the end of 2, 4, 6, and 8 seconds.

Name:	
5.	A stone is thrown upwards with an initial velocity of 12 mph. Find its maximum height. How long did this take?
6.	A rock is thrown vertically downward from a building 40 m high with an initial velocity of 15 m/s. What is the rock's velocity as it strikes the ground? How long does it take for the rock to hit the ground?
7.	A baseball batter fouls a ball vertically upward. The ball is caught right behind home plate at the same height that it was hit. How long was the baseball in flight if it rose a distance of 20 m? What was the initial velocity of the baseball?
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