Chapter 9: Motion	page 1	1	Name	
Worksheet: Acceleration Problems	· ·		Period	Date
(Frameworks Code)		•	s de la companya de	
Solve the following problems. Use correct prob	blem set-up.	Label all numb	ers with the com	ect units:
1. An automobile accelerates from 10 ft/s to 8	80 ft/s in 7 se	econds. Find the	acceleration.	
				·
2. A dragster accelerates from rest to 240 km.	/hr in 6 seco	nds. Find its acc	eleration.	
				•
			·	
3. An airplane accelerates from rest to 120 m	i/hr at a rate	of 6 mi/hr/s. Fir	nd the <u>time</u> to re	ach this velocity.
			4.	•
4. An object starting from rest reaches a velo	city of 20 m	s in 10 seconds	. Find the accele	ration.
	•			
5. An object accelerates from 20 km/hr to 60	km/hr in 10	seconds. Find the	he acceleration.	
	•			
6. An object accelerates from 22 ft/s to 88 ft/	s in 20 secor	nds. Find the acc	eleration.	
				·
7. A body starting at rest accelerates at a rate reach this velocity.	of 5 m/s/s a	nd reaches a fin	al velocity of 25	m/s. Find the time to
		· .	e e	
		•		
8. An object is dropped from a building and (m/s/s), find the final velocity.	falls for 10 s	econds. If the a	eceleration of th	e object is 9.8 m/s ²