	8	ř
Name:	Date:	Period:
CCELERATION		
Inderstanding Main	ldeas	
	ne, write true. If it is false, change the underlined word o	or words to make the statement t
	1. If a train is slowing down, it is accelerating.	
	2. To find the acceleration, you must calculate the	change in distance during each u
	of time.	change in <u>distance</u> during each d
	3	3
.10	3. A Ferris wheel turning at a constant speed of 5 n	n/s <u>is not</u> accelerating.
	4. An airplane is flying west at 200 km/h. Two hour It's acceleration is 100 km/h².	s later, it is flying west at 300 km
Calculating Accelerat		
37 37 37 38	uation to calculate the acceleration for each problem.	Ve V6
acceleration		Vf-Vi
	time	τ
5. If a man is riding	at a velocity of 18 m/s and 8 seconds later is riding at a	velocity of 22 m/s, what is his
acceleration?	the control of the co	
FORMULA:		
SUBSTITUTION:		
		W.
	6	
ANSWER:		
6. As a roller coaste	er starts down a hill, its speed is 10 m/s. Three seconds	later its speed is 34 m/s. What is
roller coaster's a		0.51 9%)
FORMULA:		
SUBSTITUTION:		
ANSWER:		