Acceleration Worksheet Chapter 1, pages 34-38	Name Period Date
Equations: Acceleration = $\frac{\text{Final velocity} - \text{Initial velocity}}{\text{Time}}$	Time = $\frac{\text{Final Velocity}}{\text{Acceleration}}$
Final Velocity = Acceleration * Time + Initial Ve	elocity
Problems: In order to receive credit for this worksheet you MUST show your work. You can use a calculator but you must show all of the steps in the spaces provided.	
1. A roller coaster car rapidly picks up speed as it rolls down a slope. As it starts down the slope, its speed is 4 m/s. But 3 seconds later, at the bottom of the slope, its speed is 22 m/s. What is its average acceleration?	
2. A cyclist accelerates from 0 m/s to 8 m/s in 3 acceleration higher than that of a car which acceleration	
3. A car advertisement states that a certain car ca Find the car's average acceleration.	an accelerate from rest to 70 km/h in 7 seconds.
4. A lizard accelerates from 2 m/s to 10 m/s in 4 acceleration?	seconds. What is the lizard's average
5. If a Ferrari, with an initial velocity of 10 m/s, what will its final velocity be?	accelerates at a rate of 50 m/s/s for 3 seconds,