Name	Period
Force and Acceleration	
$Acceleration = \frac{Final\ velocity - Initial\ velocity}{Time}$	$Time = \frac{Final\ Velocity - Initial\ Velocity}{Acceleration}$
Final Velocity = Acceleration * Time + Initial	Velocity Force = mass x acceleration
	s worksheet you MUST show your work. You ow all of the steps in the spaces provided.
1. A roller coaster car rapidly picks up speed a slope, its speed is 4 m/s. But 3 seconds later, a What is its average acceleration?	
2. A cyclist accelerates from 0 m/s to 8 m/s in acceleration higher than that of a car which acc	
3. A car advertisement states that a certain car Find the car's average acceleration.	can accelerate from rest to 70 km/h in 7 seconds.
4. A lizard accelerates from 2 m/s to 10 m/s in acceleration?	1 4 seconds. What is the lizard's average
5. If a Ferrari, with an initial velocity of 10 m/what will its final velocity be?	/s, accelerates at a rate of 50 m/s/s for 3 seconds,
6. A man hits a golf ball (0.2 kg) which accelerated on the ball?	rates at a rate of 20 m/s2. What amount of force