NAME:		
<ol> <li>Read the following problem</li> <li>Highlight your "proof" for assigning variables</li> <li>List the givens</li> <li>Solve</li> <li>Write your answer with the proper units</li> </ol>		
The velocity of a train is 15.2 m/s. At an average acceleration of - 0.188 m/s², how much time is required for the train to decrease its velocity to 5.14 m/s? - 3 pts -		
<ul> <li>Initial velocity - m/s, starting from rest, initially/beginning, how fast</li> <li>Final velocity - m/s, comes to a stop/rest, finally/end, how fast</li> <li>Acceleration - m/s<sup>2</sup></li> <li>Time - s, how long</li> </ul>		
Givens	Work	
Answer		

<ol> <li>Read the following problem</li> <li>Highlight your "proof" for assigning variables</li> <li>List the givens</li> <li>Solve</li> <li>Write your answer with the proper units</li> </ol>		
A car comes to a complete stop at a stop sign and then starts to accelerate at 4.30 m/s². How long does it take for the car to reach a speed of 12.0 m/s? - 3 pts -		
<ul> <li>Initial velocity - m/s, starting from rest, initially/beginning, how fast</li> <li>Final velocity - m/s, comes to a stop/rest, finally/end, how fast</li> <li>Acceleration - m/s<sup>2</sup></li> <li>Time - s, how long</li> </ul>		
Givens Work		

**Worksheet: Kinematics Part 2 - t**  $v_{final} = v_{initial} + at$ 

NAME:		
<ol> <li>Read the following problem</li> <li>Highlight your "proof" for assigning variables</li> <li>List the givens</li> <li>Solve</li> <li>Write your answer with the proper units</li> </ol>		
A corvette can accelerate during high speeds at about 2.0 m/s². At this rate how long does it take the car to accelerate from 25.6 m/s to 47.8 m/s? - 3 pts -		
<ul> <li>Initial velocity - m/s, starting from rest, initially/beginning, how fast</li> <li>Final velocity - m/s, comes to a stop/rest, finally/end, how fast</li> <li>Acceleration - m/s²</li> <li>Time - s, how long</li> </ul>		
Givens	Work	
Answer		

NAME:		
<ol> <li>Read the following problem</li> <li>Highlight your "proof" for assigning variables</li> <li>List the givens</li> <li>Solve</li> <li>Write your answer with the proper units</li> </ol>		
John Doe gets off the highway in his 1967 Shelby 427 Cobra. Starting from a speed of 35 m/s and decelerating at a rate of 7.4 m/s <sup>2</sup> how long did it take him to come to a complete stop? - 3 pts -		
<ul> <li>Initial velocity - m/s, starting from rest, initially/beginning, how fast</li> <li>Final velocity - m/s, comes to a stop/rest, finally/end, how fast</li> <li>Acceleration - m/s<sup>2</sup></li> <li>Time - s, how long</li> </ul>		
Givens	Work	
Answer		

Worksheet: Kinematics Part 2 - t $V_{final} = V_{initial} + at$		
NAME:		
<ol> <li>Read the following pro</li> <li>Highlight your "proof" f</li> <li>List the givens</li> <li>Solve</li> <li>Write your answer with</li> </ol>	for assigning variables	
before they can take off. The	unway to accommodate airplanes that must reach at a ground speed of +61 m/s ese planes are capable of being accelerated uniformly at the rate of +2.5 m/s <sup>2</sup> . es to reach takeoff speed? - 3 pts -	
	starting from rest, initially/beginning, how fast comes to a stop/rest, finally/end, how fast	
Givens	Work	

Answer

NAME:		
<ol> <li>Read the following problem</li> <li>Highlight your "proof" for assigning variables</li> <li>List the givens</li> <li>Solve</li> <li>Write your answer with the proper units</li> </ol>		
A dog is walking at .500 m/s and sees a squirrel and accelerates at 1.56 m/s² to a final velocity of 3.08 m/s. How long did the dog's acceleration last? - 3 pts -		
<ul> <li>Initial velocity - m/s, starting from rest, initially/beginning, how fast</li> <li>Final velocity - m/s, comes to a stop/rest, finally/end, how fast</li> <li>Acceleration - m/s<sup>2</sup></li> <li>Time - s, how long</li> </ul>		
Givens	Work	
Answer		