

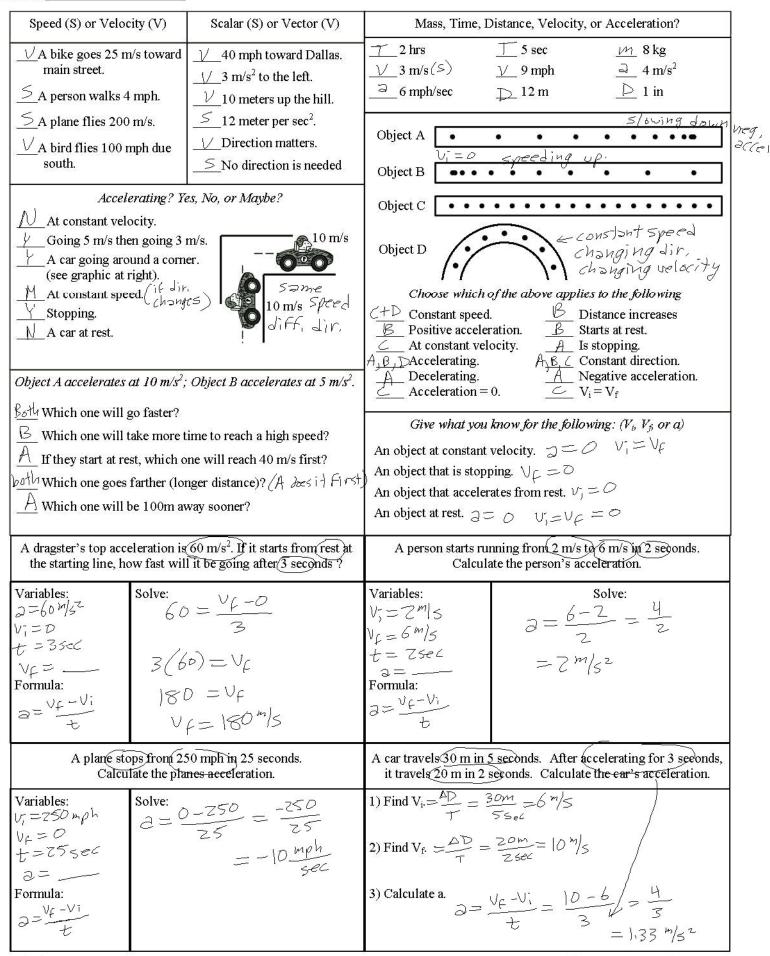
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Name: _____

Period:_____

Speed (S) or Veloc	city (V)	Scalar (S) or Vector (V)	Mass, Time,	Distance, Velocity, or Acceleration?
 A bike goes 25 m/s toward main street. A person walks 4 mph. A plane flies 200 m/s. 		 40 mph toward Dallas. 3 m/s² to the left. 10 meters up the hill. 12 meter per sec². 	2 hrs 3 m/s 6 mph/sec	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
A bird flies 100 r A south.		 Direction matters. No direction is needed 	Object A • Object B •••	· · · · · · · ·
Accelerating? Yes, No, or Maybe?			Object C • • •	
 At constant velocity. Going 5 m/s then going 3 m/s. A car going around a corner. (see graphic at right). At constant speed. Stopping. A car at rest. Object A accelerates at 10 m/s ² ; Object B accelerates at 5 m/s ² .			Object D Choose which Constant speed Positive accele At constant ve Accelerating. Decelerating. Acceleration =	eration Starts at rest. locity Is stopping. Constant direction. Negative acceleration.
 Which one will go faster? Which one will take more time to reach a high speed? If they start at rest, which one will reach 40 m/s first? Which one goes farther (longer distance)? Which one will be 100m away sooner? 			Give what you know for the following: $(V_i, V_j, or a)$ An object at constant velocity. An object that is stopping. An object that accelerates from rest. An object at rest.	
A person starts running from 2 m/s to 6 m/s in 2 seconds. Calculate the person's acceleration.			A dragster's top acceleration is 60 m/s ² . If it starts from rest at the starting line, how fast will it be going after 3 seconds?	
Variables:		Solve:	Variables:	Solve:
Formula:			Formula:	
A plane stops from 250 mph in 25 seconds. Calculate the planes acceleration.			A car travels 30 m in 5 seconds. After accelerating for 3 seconds, it travels 20 m in 2 seconds. Calculate the car's acceleration.	
Variables:	Solve:		 Find V_i. Find V_f. 	
Formula:			3) Calculate a.	

Name:



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