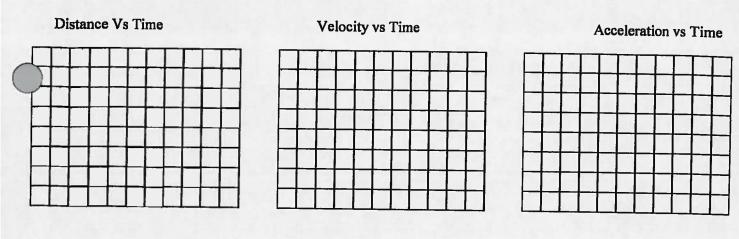
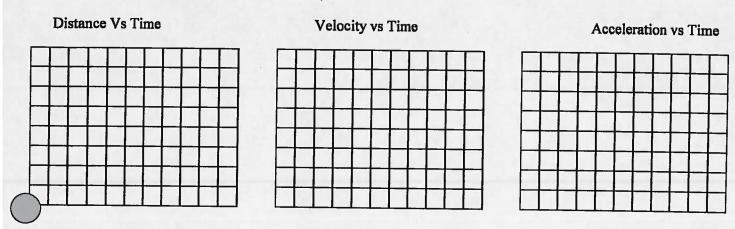
Moving Man Graphs Go to Website: http://phet.colorado.edu/simulations/sims.php?sim=The_Moving_Man  The Graph pattern for the following types of motion. You will graph distance, velocity, and acceleration for each type of motion. You will graph distance, velocity or acceleration graph.  Situation #1: No Motion (velocity = 0 and acceleration = 0) 5  Distance Vs Time	Name		Hour
h the Graph pattern for the following types of motion. You will graph distance, velocity, and acceleration for each type of the control of th	Go to Wohoitos http:	Moving Man Graphs	
Purpose/Objective: To be able to identify and describe motion on a position, velocity or acceleration graph.  Situation #1: No Motion (velocity = 0 and acceleration = 0) \$  Distance Vs Time			
Distance Vs Time  Velocity vs Time  Acceleration vs Time  Velocity vs Time  Velocity vs Time  Acceleration vs Time	moson.		
Distance Vs Time    Velocity vs Time   Acceleration vs Time	Purpose/Objective: To be able to identif	y and describe motion on a position, veloc	ity or acceleration graph.
ituation #2: Moving at Constant Velocity to the RIGHT. (Velocity = +5 m/s, Position = -9m, Acceleration = 0)  Distance Vs Time  Velocity vs Time  Acceleration vs Time  Acceleration vs Time  Acceleration vs Time  Acceleration vs Time	Situation #1: No Motion (velocity = 0 a	nd acceleration = 0) 5	
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Distance V. Time	Distance vs Time	Velocity vs Time	Acceleration vs Time
Distance V. Time			
Distance V. Time			
Distance V. Time	ituation #3: <b>Constant Velocity to the L</b>	EFT. (Velocity = -5 m/s, Position = +9m,	Acceleration = 0)

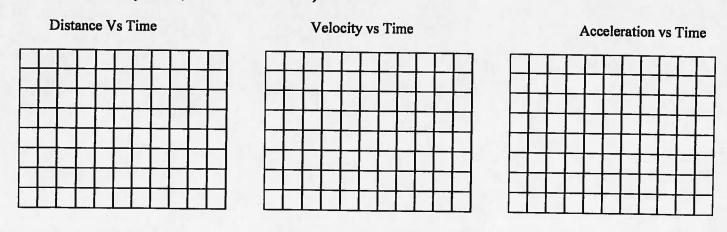
Situation #4: Acceleration from REST. (Position = -9m, velocity = 0 and acceleration = +1).



Situation #5: Moving to the right with constant negative acceleration. (Position -9 m, velocity +5 m/s, acceleration -1 m/s²)



Situation #6: : Moving to the left with constant positive acceleration. (Position +9 m, velocity -5 m/s, acceleration +1 m/s²)



1.	On a distance time graph:		
	a. a straight line with No slope illustrates what type of motion?		
	b. a straight line with Positive slope illustrates what type of motion?		
	c. a straight line with Negative slope illustrates what type of motion?		
	d. an upward curve pattern illustrates what type of motion?		
	e. a downward curve pattern illustrates what type of motion?		
2.	On a Velocity-Time graph:		
	a. Straight line with no slope illustrates what type of motion?		
	b. Straight line with a positive slope illustrates what type of motion?		
	c. Straight line with a negative slope illustrates what type of motion?		
3.	What does negative acceleration do to an object moving to the right?		
4.	What does zero acceleration do to an object		
	a. at Rest?		
	b. that is moving?		
5.	What are the two types of motion that result from zero acceleration?		
	a b		
6.	Stepping on the brakes of a moving car produces what type of acceleration?		

Summary: Refer to graphs for answers