

Monster Truck Demonstrations

Name _____

Period _____ Date _____

Describe the motion of the monster truck situations as shown below, then draw a qualitative position-time graph. Be sure to label each line for Monster Truck A and B.

Each description should include one term from each of the following three categories:

Kind of Motion	stopped or constant speed or accelerated motion
Direction of Motion	away from zero position or toward zero position
Initial Position	$x_i = 0$ or $x_i \neq 0$

Monster Truck Demo 1

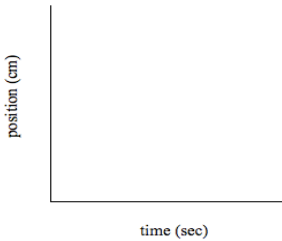
Description: **Blue Truck**

Green Truck

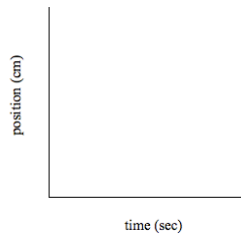
Kind of Motion	
Direction of Motion	
Initial Position	

Kind of Motion	
Direction of Motion	
Initial Position	

My Guess



Correct Graph



Monster Truck Demo 2

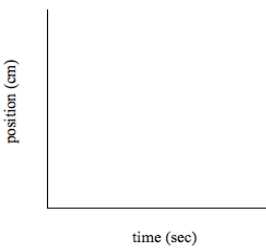
Description: **Red Truck**

Green Truck

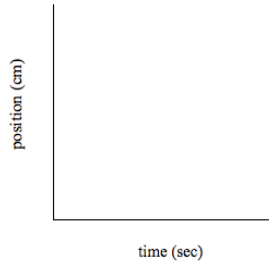
Kind of Motion	
Direction of Motion	
Initial Position	

Kind of Motion	
Direction of Motion	
Initial Position	

My Guess



Correct Graph



Monster Truck Demo 3

Description: Red Truck

Green Truck

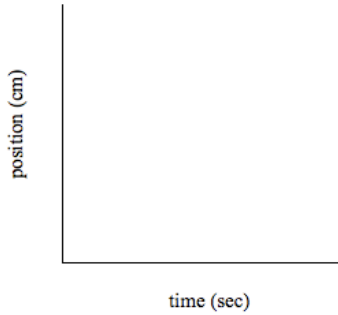
Blue Truck

Kind of Motion	
Direction of Motion	
Initial Position	

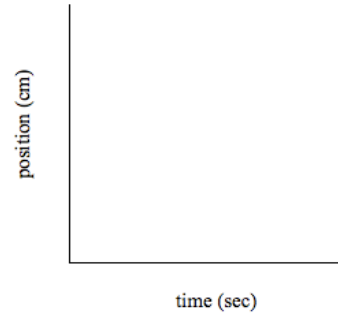
Kind of Motion	
Direction of Motion	
Initial Position	

Kind of Motion	
Direction of Motion	
Initial Position	

My Guess



Correct Graph



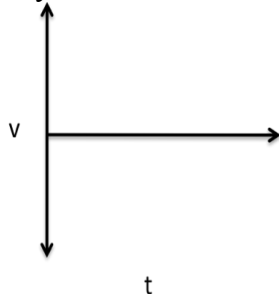
Velocity vs. Time Graphs

Now we will investigate velocity-time graphs for the same 3 scenarios.

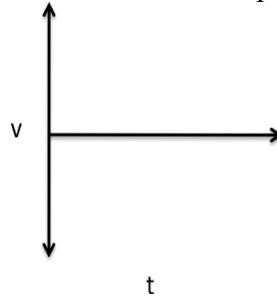
Monster Truck Demo 1

Description:

My Guess



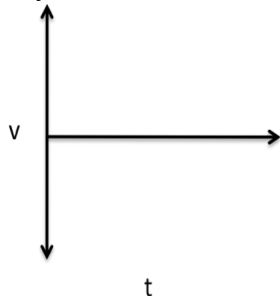
Correct Graph



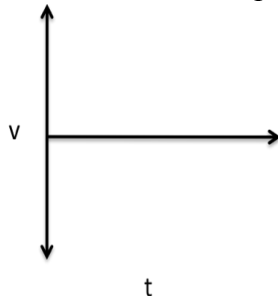
Monster Truck Demo 2

Description:

My Guess



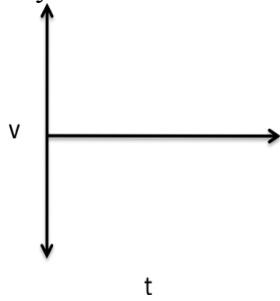
Correct Graph



Monster Truck Demo 3

Description:

My Guess



Correct Graph

