## PHYSLETS ANSWER SHEET



## Forces / Set 1 / Animation 3

Name	Class
<show all="" calculations.="" comp<="" explanations="" include="" on="" proper="" require="" td="" units.="" work=""><td>elete sentences.&gt;</td></show>	elete sentences.>
1) Find the initial position of the sports car.	
2) Use the "step button" to determine the elapsed time and braking begins (the light turns red).	position of the car when
3) Calculate the initial velocity of the sports car (before bra	aking).
4) What is the displacement (not position) of the car during applied?	g the time that the brakes are
5) Calculate the acceleration of the car during braking.	
6) If the sports car has a mass of 1700kg, and the braking for magnitude and direction of the net force needed to stop the	
7) How realistic is this force?	