Consider the motion of an object constrained to move on the x-axis ONLY. Assume RIGHTWARD is the positive direction of your x-axis. Given the signs of the TOTAL force on the object, velocity, and position of this object, describe the physical circumstances. (You may just select the correspondent answers appropriate for the blank as the example shown in the first row: for example, if the total force, velocity, and position vectors are all positive, the object is to the <u>right</u> of the origin, the object is moving away from the origin, and it is speeding up.)

Sign of initial	Sign of initial	Sign of total force	Physical circumstances description	Your choice	
position	velocity				
+	+	+	The object is to theof the origin.	right	left
			The object is moving from the origin.	toward	(away)
			It is (speeding up/slowing down).	speed up	slow down
-	+	+	The object is to theof the origin.	right	left
			The object is moving from the origin.	toward	away
			It is (speeding up/slowing down).	speed up	slow down
+	-	-	The object is to theof the origin.	right	left
			The object is moving from the origin.	toward	away
			It is (speeding up/slowing down).	speed up	slow down
-	-	-	The object is to theof the origin.	right	left
			The object is moving from the origin.	toward	away
			It is (speeding up/slowing down).	speed up	slow down