

Acceleration Homework 1

Name: _____

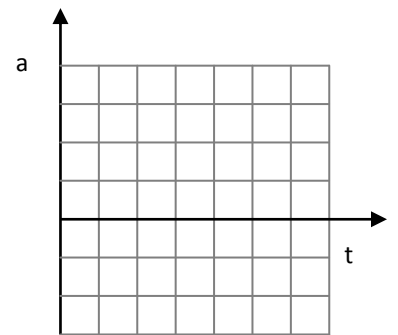
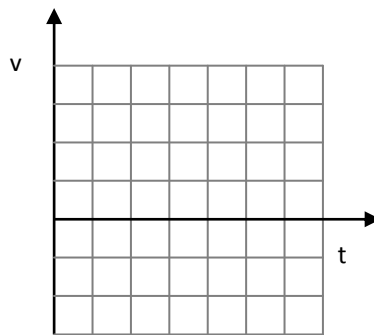
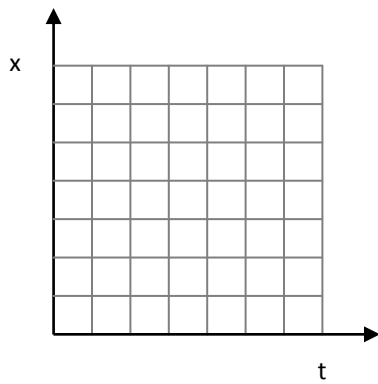
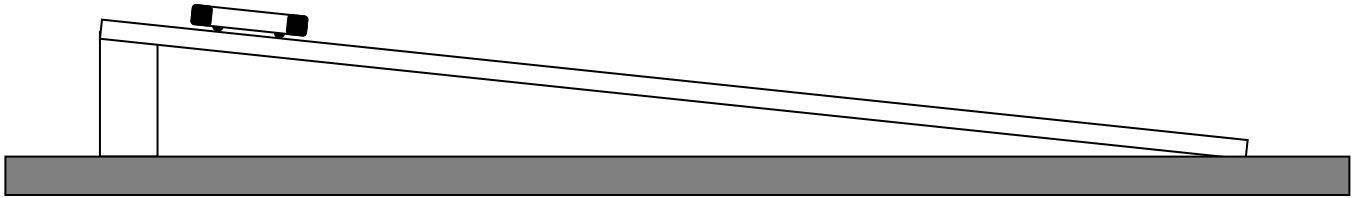
Hour: _____ Date: _____

Draw qualitative x vs. t , v vs. t and a vs. t graphs for each of the following.

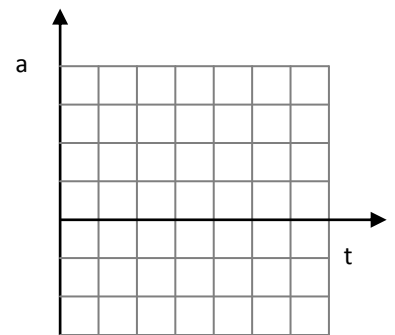
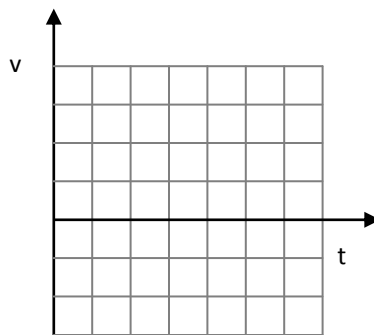
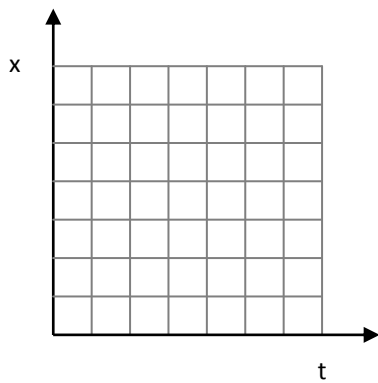
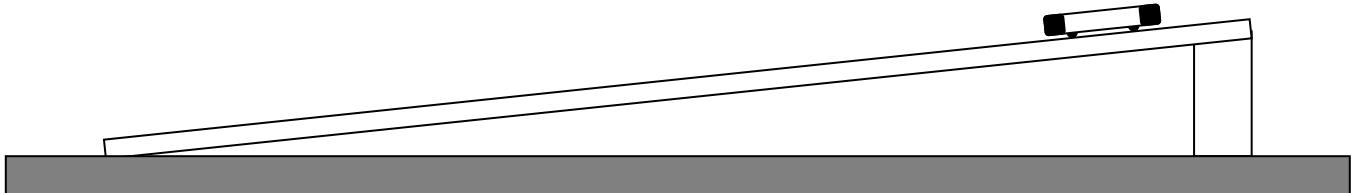
Draw a qualitative motion map for the cart on the hill with both velocity and acceleration arrows.

Assume that the zero line is at the far left side of the ramp.

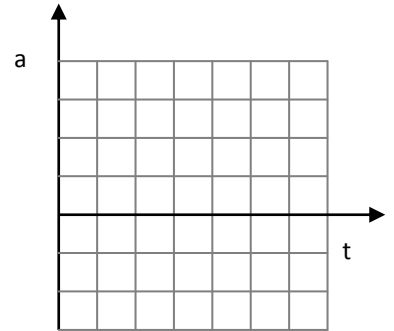
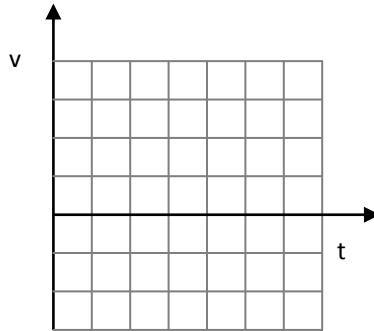
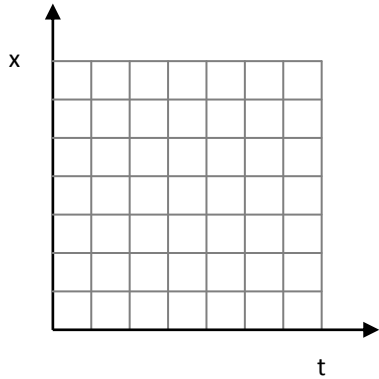
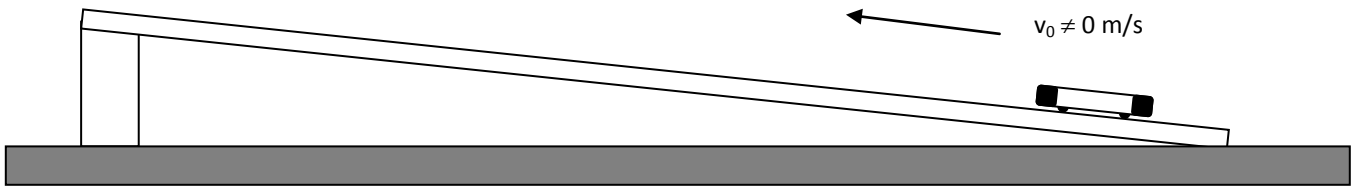
1. $v_0 = 0$ m/s



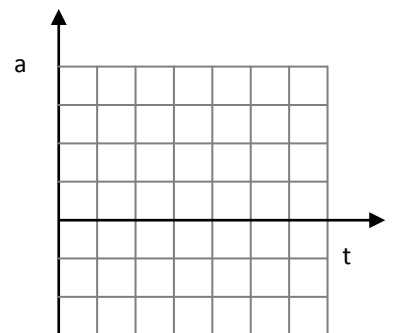
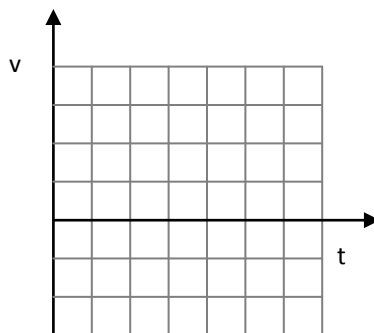
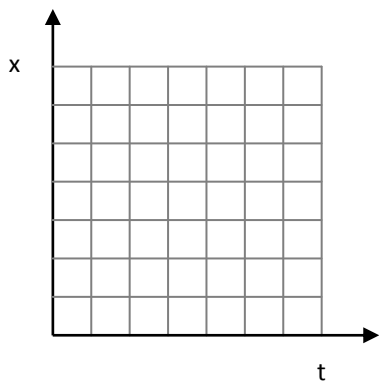
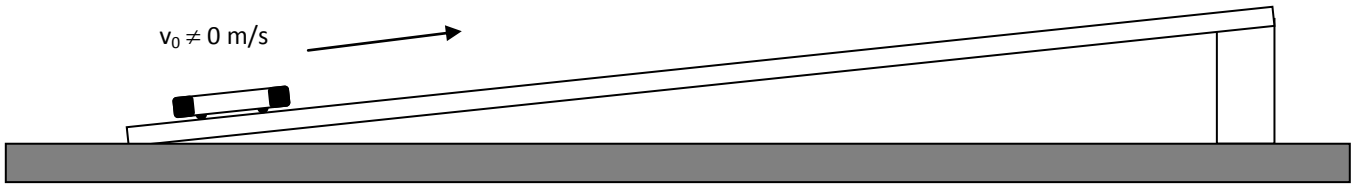
2. $v_0 = 0$ m/s



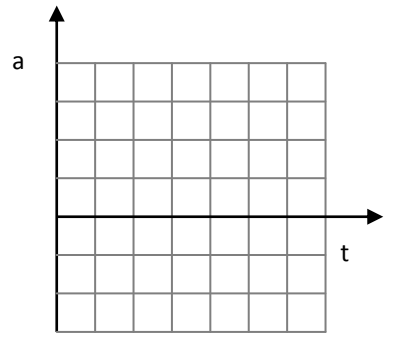
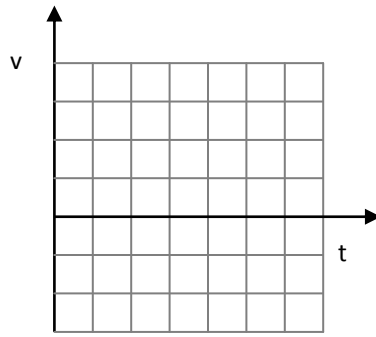
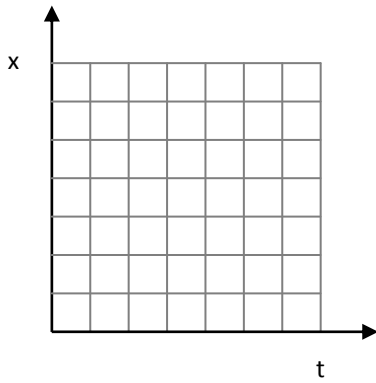
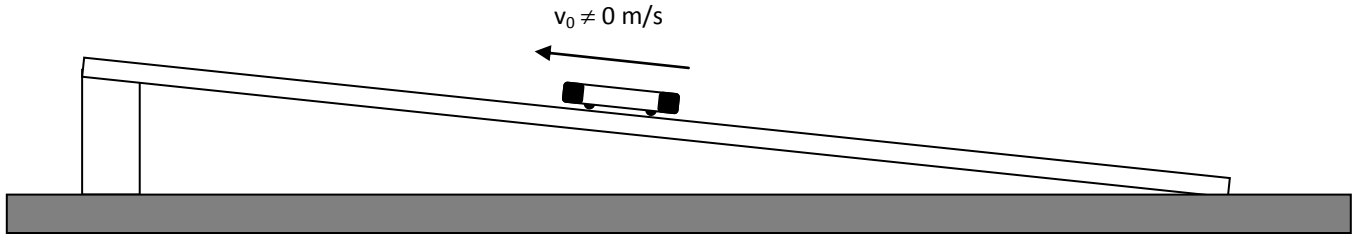
3.



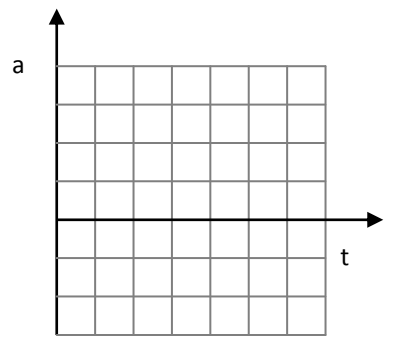
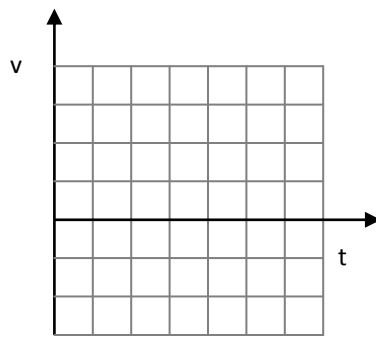
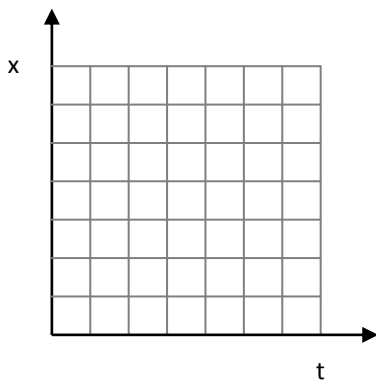
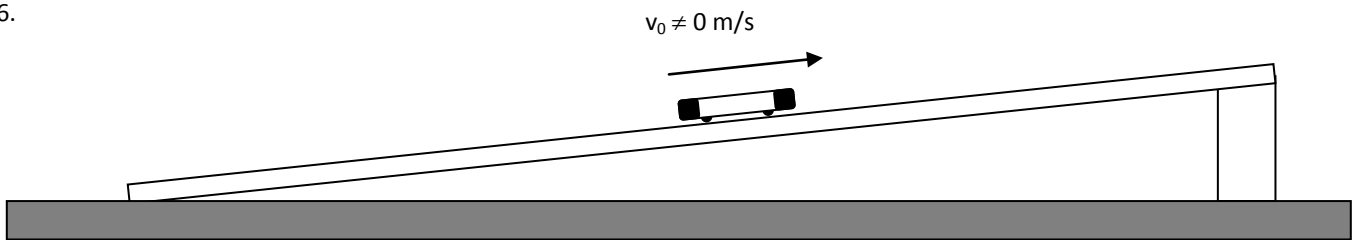
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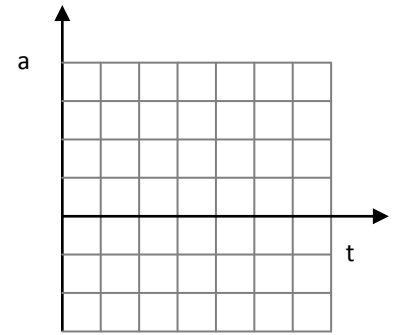
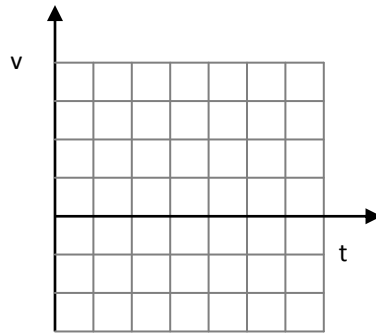
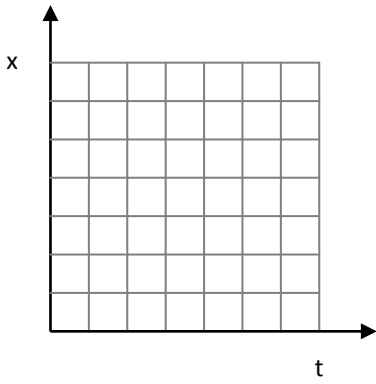
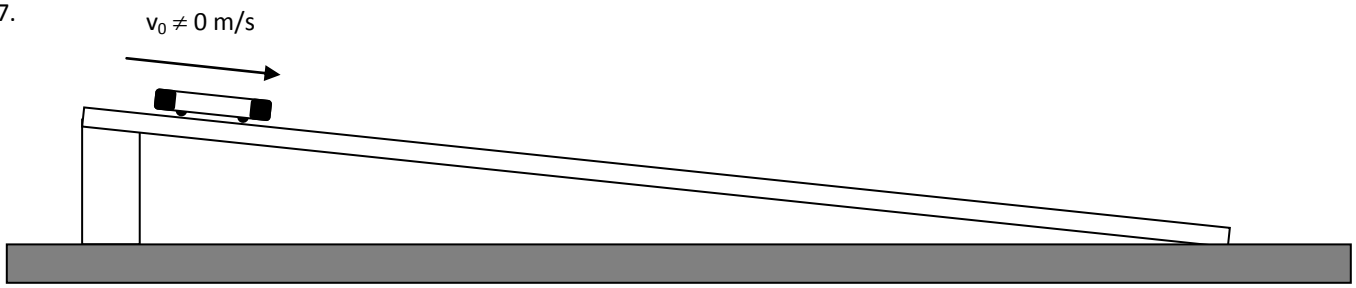
5.



6.



7.



8.

