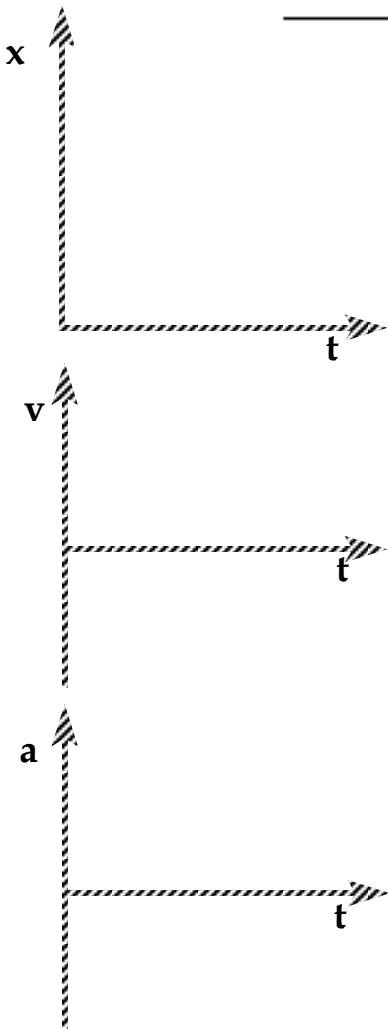
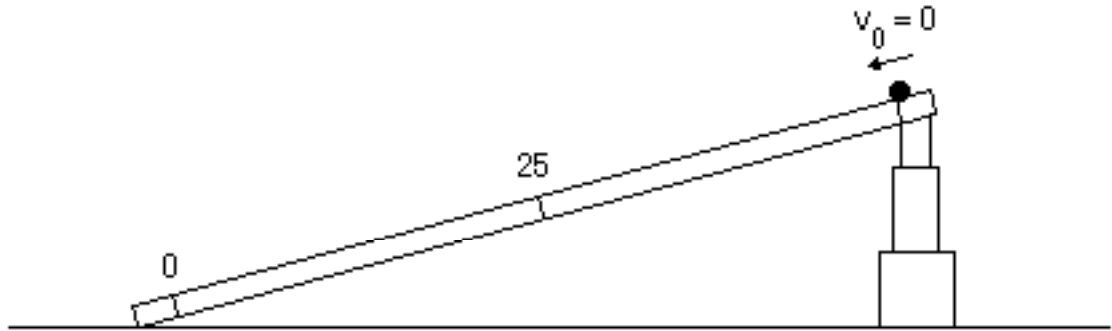


UNIT I: Worksheet 2

When evaluating problems 1 - 3, please represent the motion that would result from the rail configuration

1)



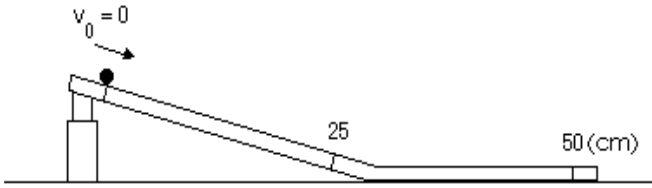
x _____

v _____

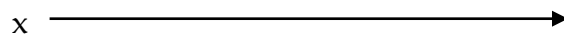
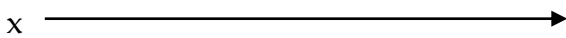
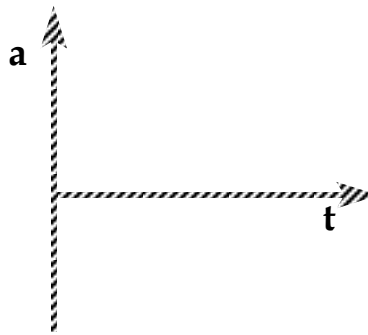
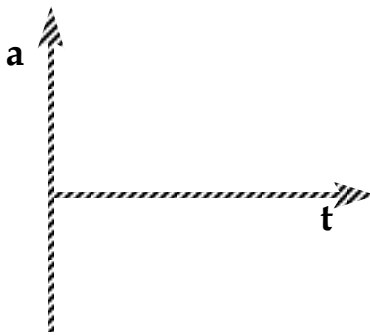
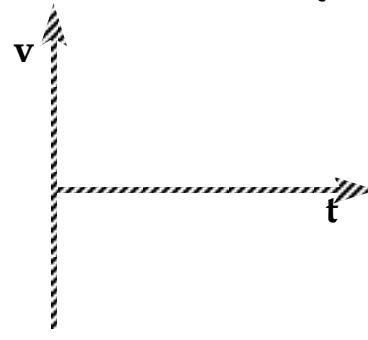
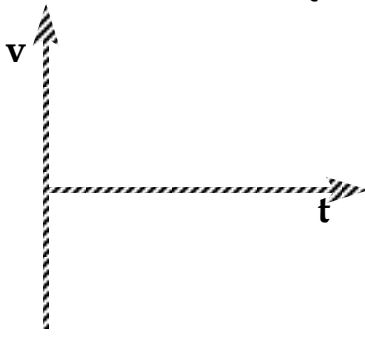
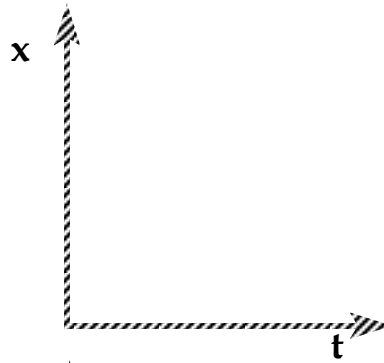
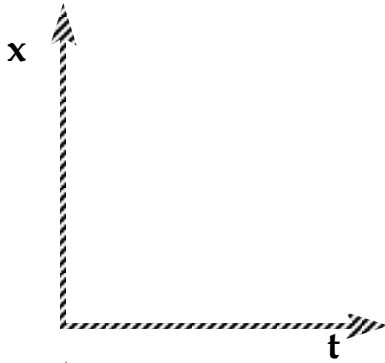
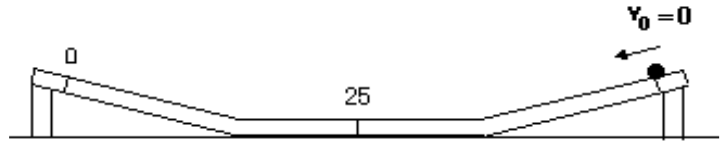
a _____

When considering problems 2-3, assume that the ball does not experience any change in velocity while it is on a horizontal portion of the rail.

2)



3)



4) Given the following graphs, sketch the corresponding position vs. time, velocity vs. time and acceleration vs. time graphs.

