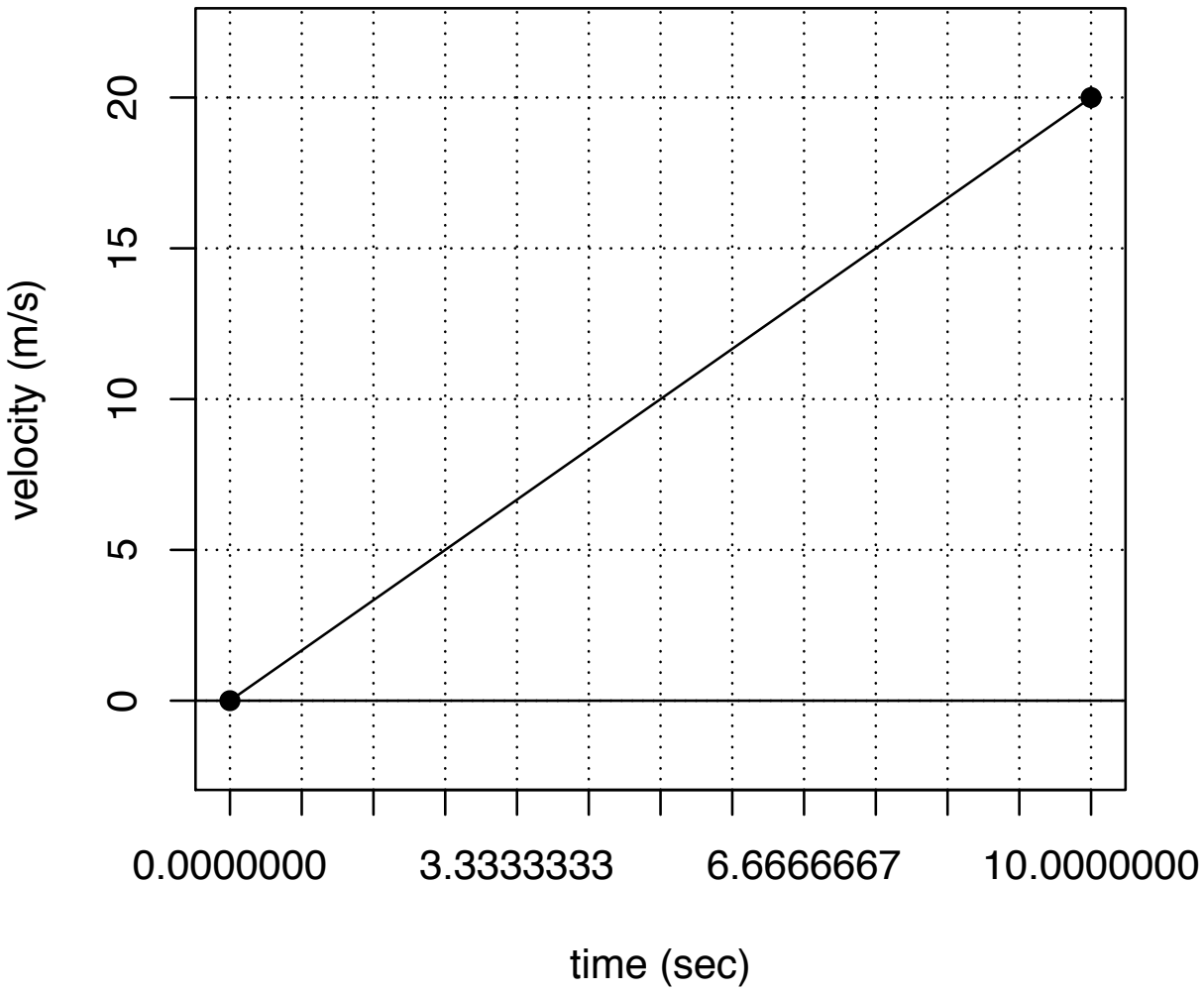
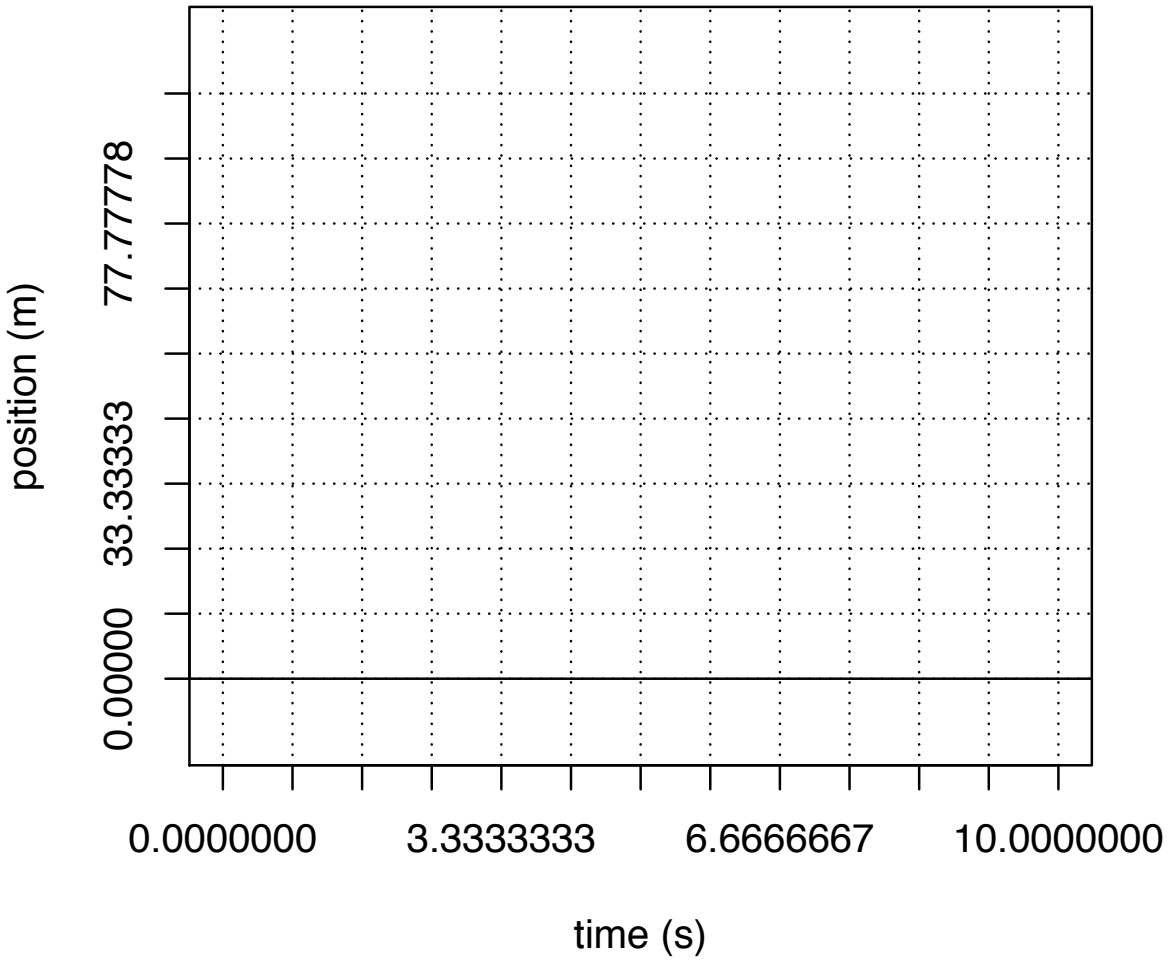
Kinematic Graphs Practice Name _____

Area under a velocity-time graph = change in position.
Slope of a velocity-time graph = acceleration

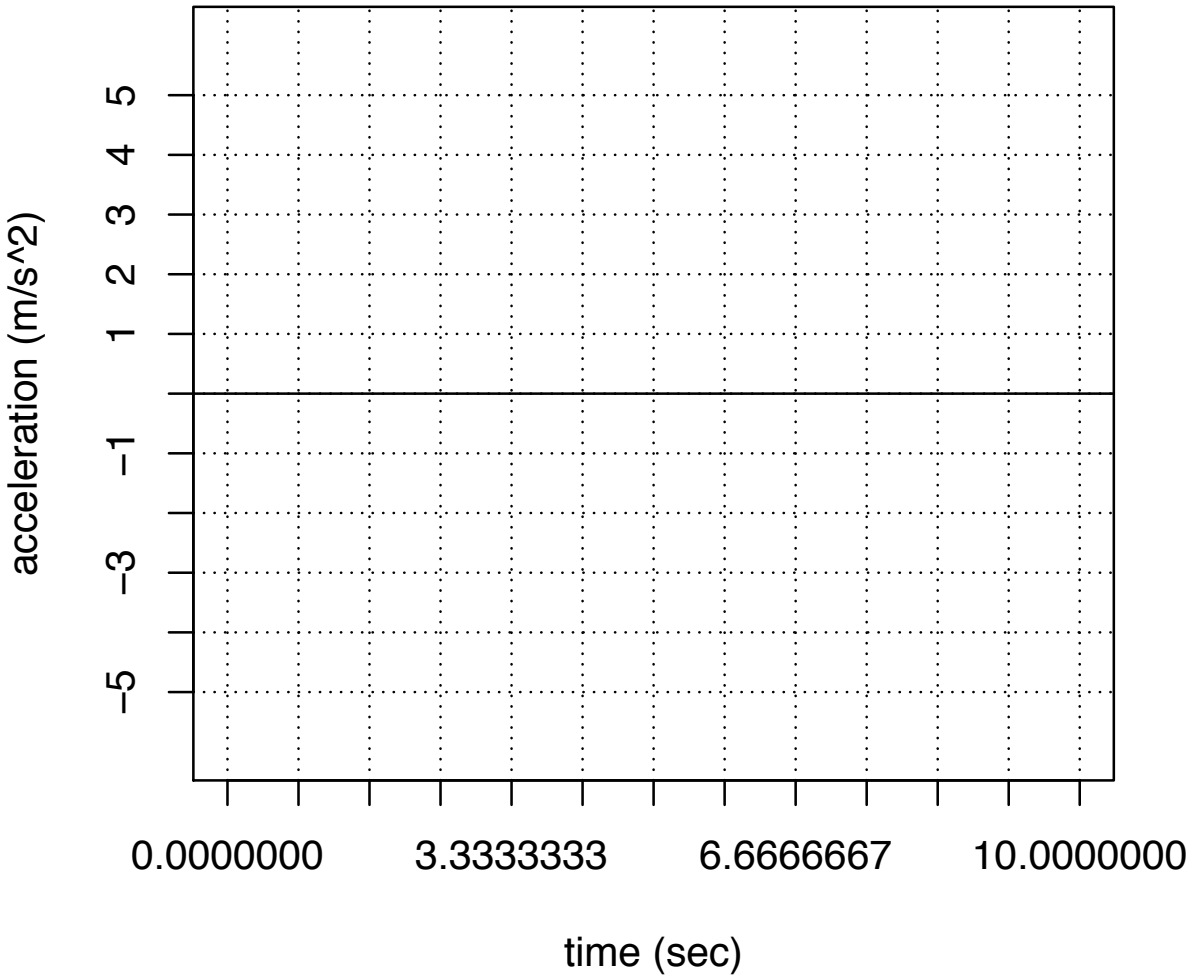
Problem 1:initial Position = 0
Fill in the position and acceleration graphs on the next page



Kinematic Graphs Practice Name _____

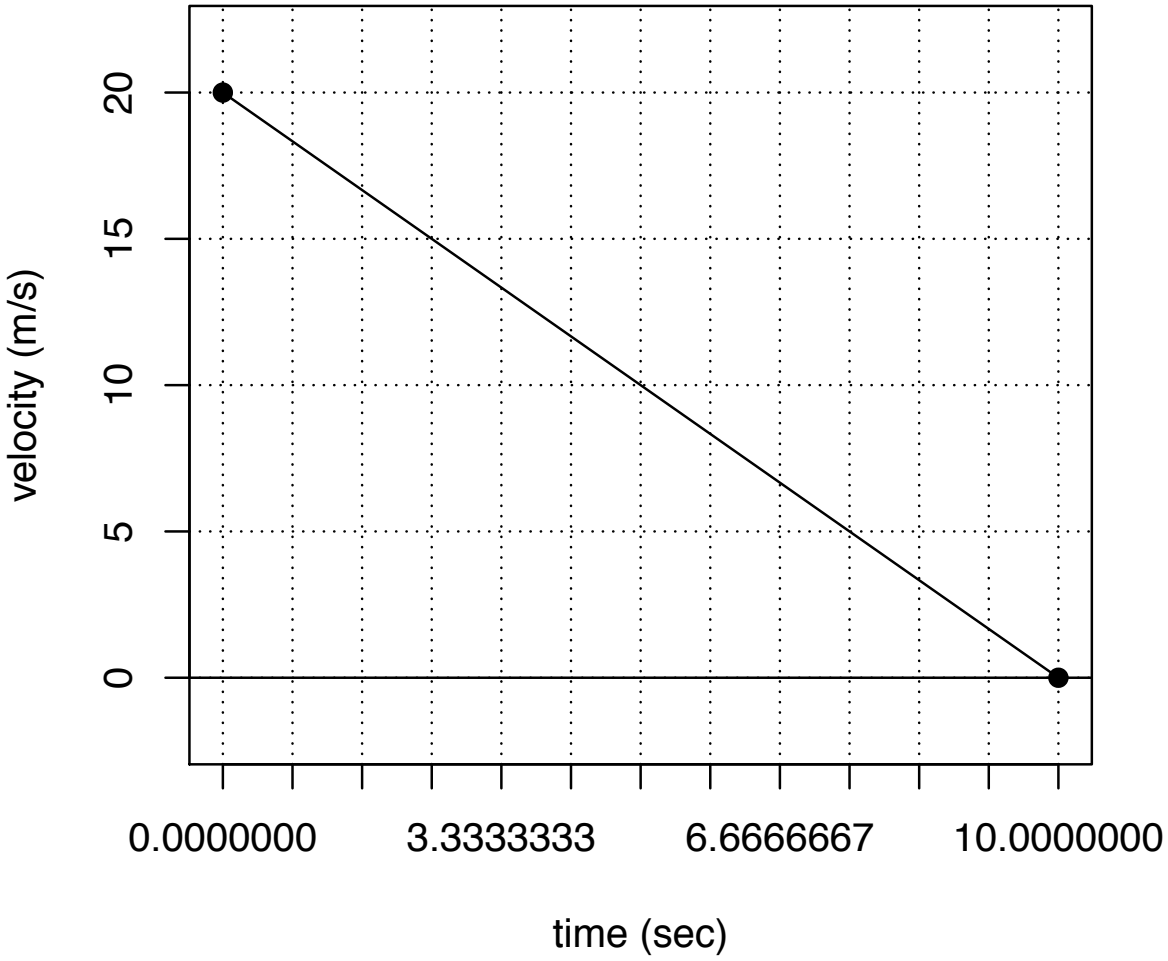


Kinematic Graphs Practice Name _____

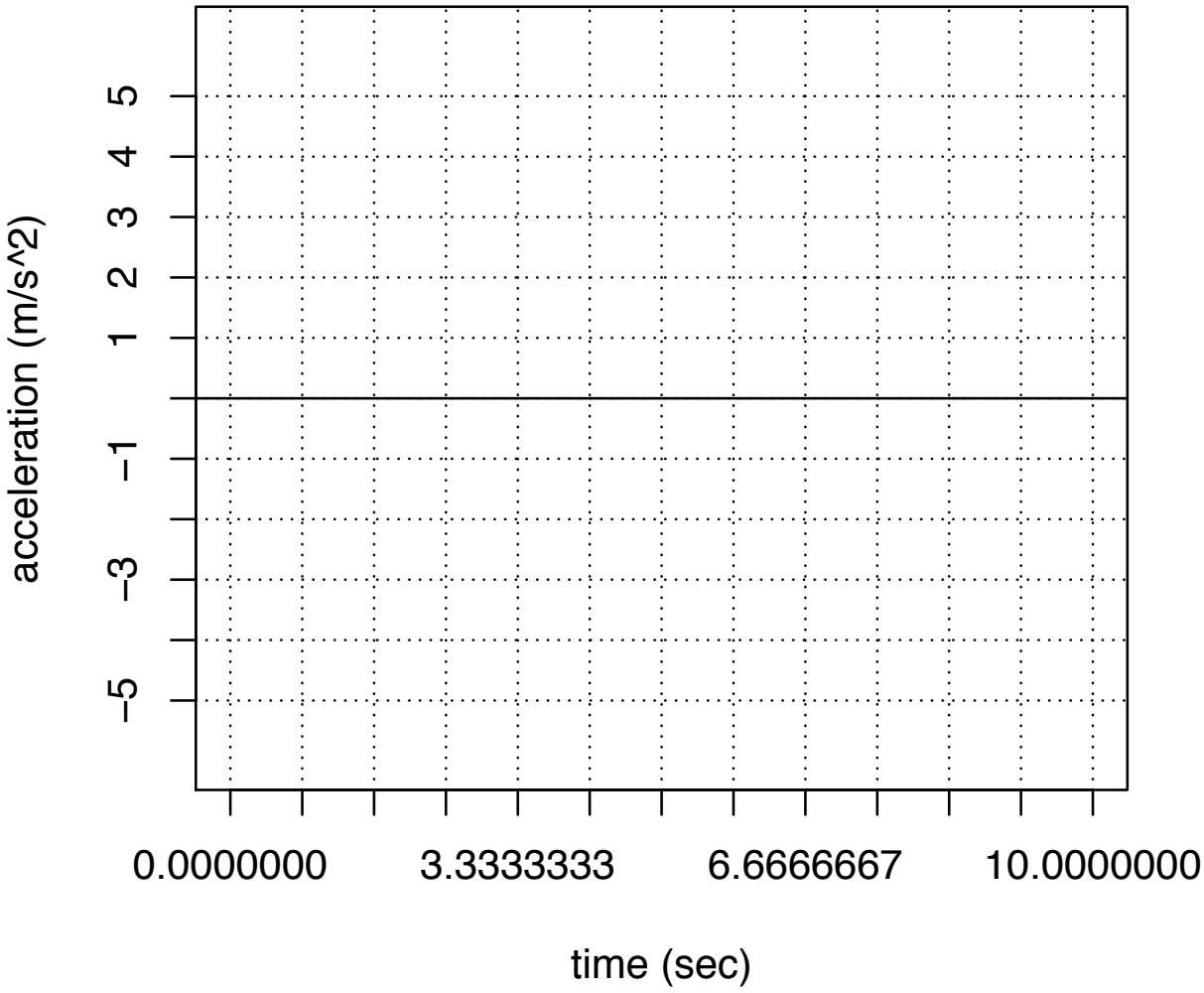


Kinematic Graphs Practice Name _____

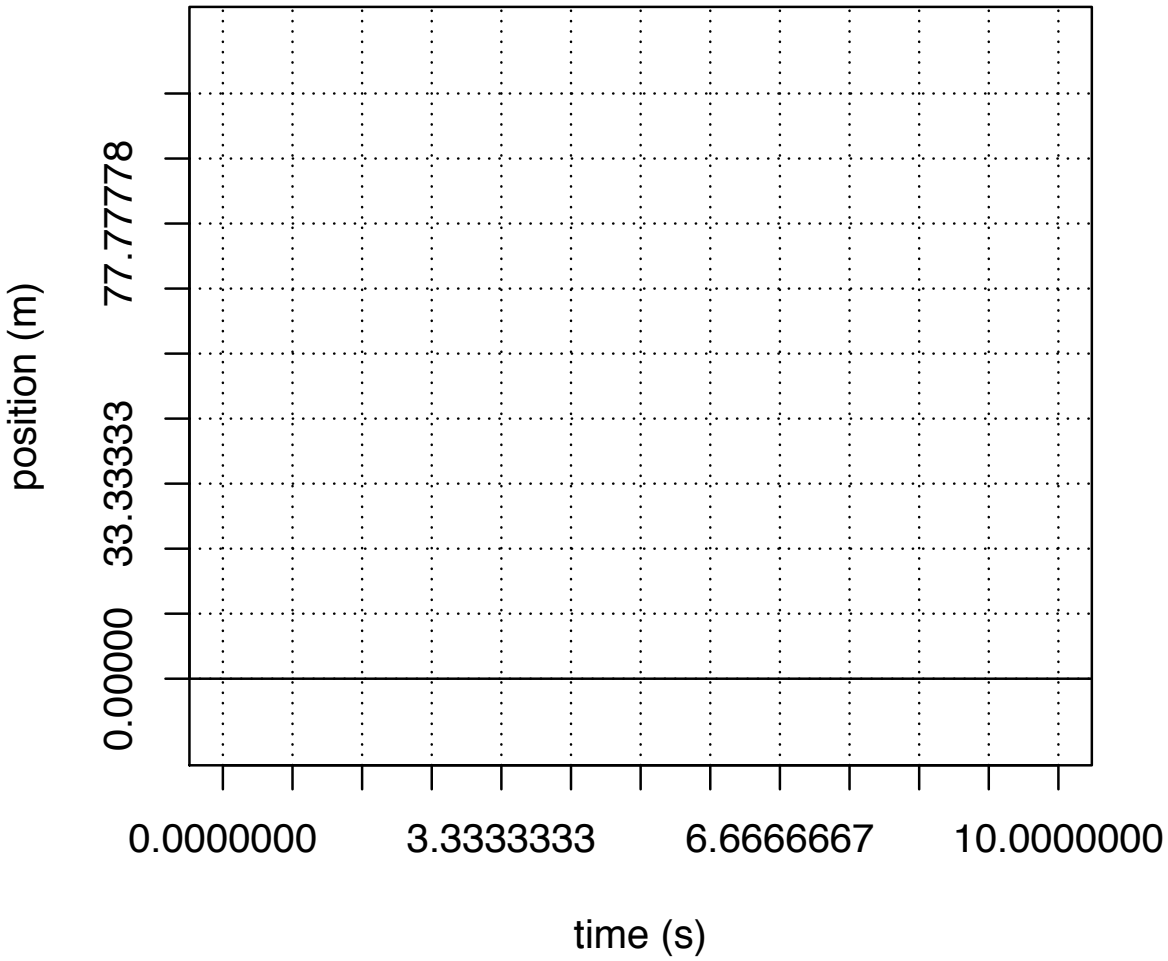
Problem 2:
Initial Position = 0



Kinematic Graphs Practice Name _____



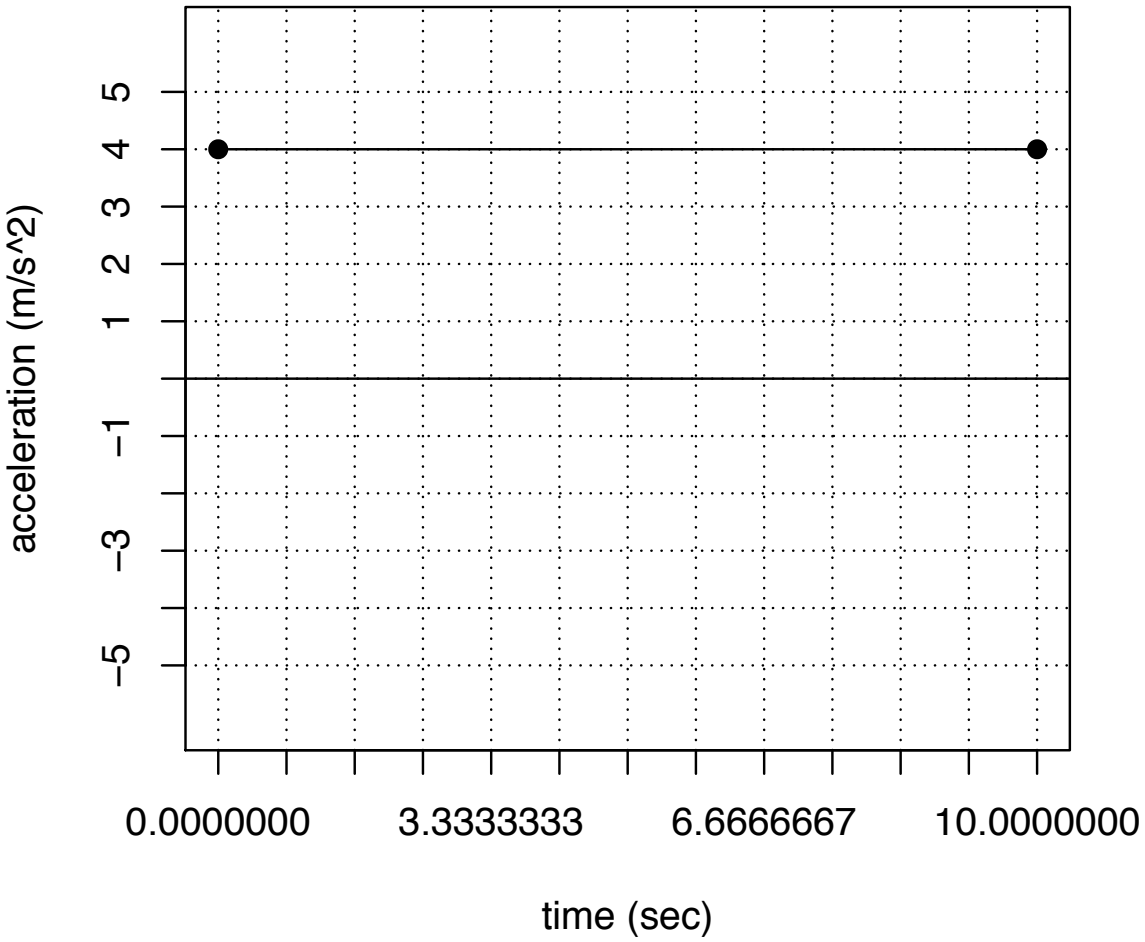
Kinematic Graphs Practice Name _____



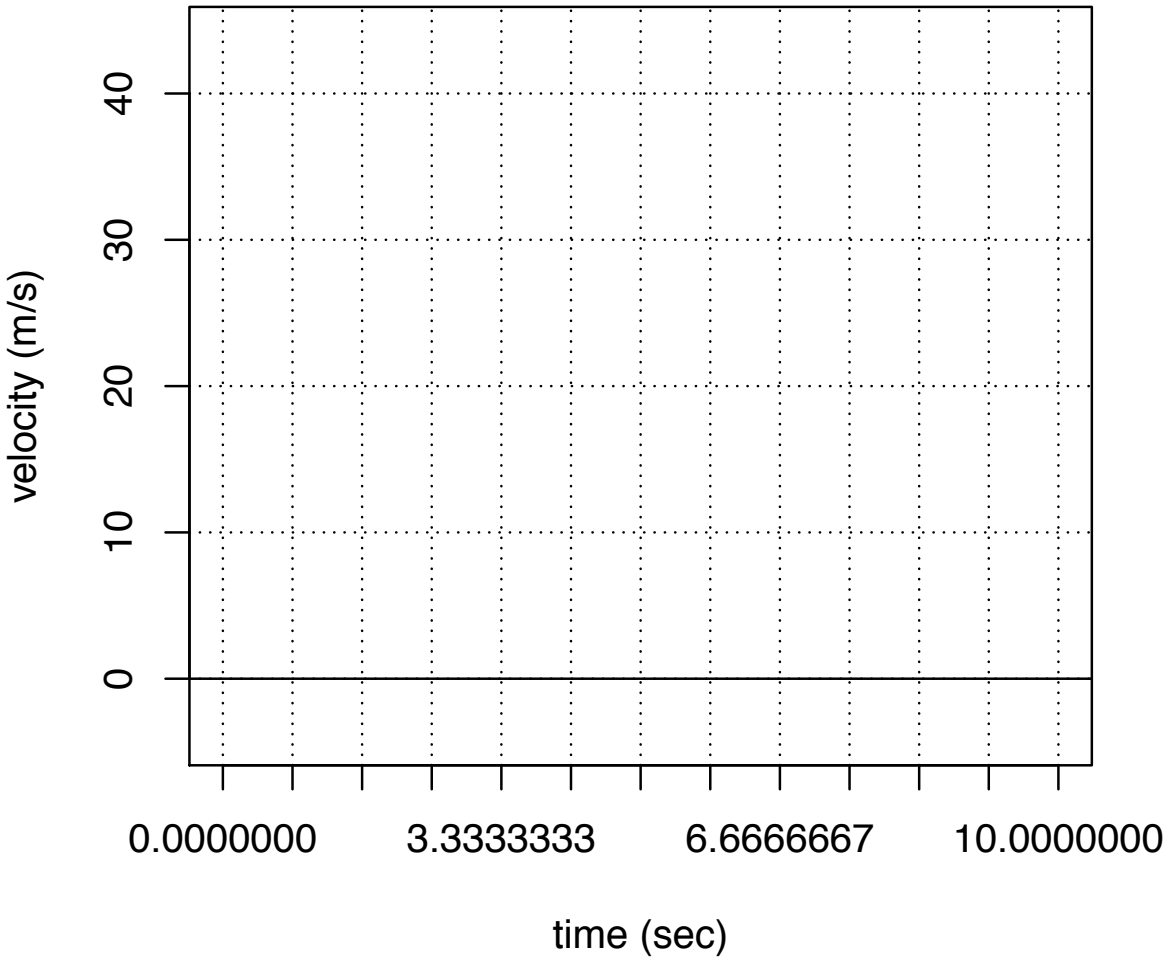
Kinematic Graphs Practice Name _____

Area under an acceleration graph = change in velocity

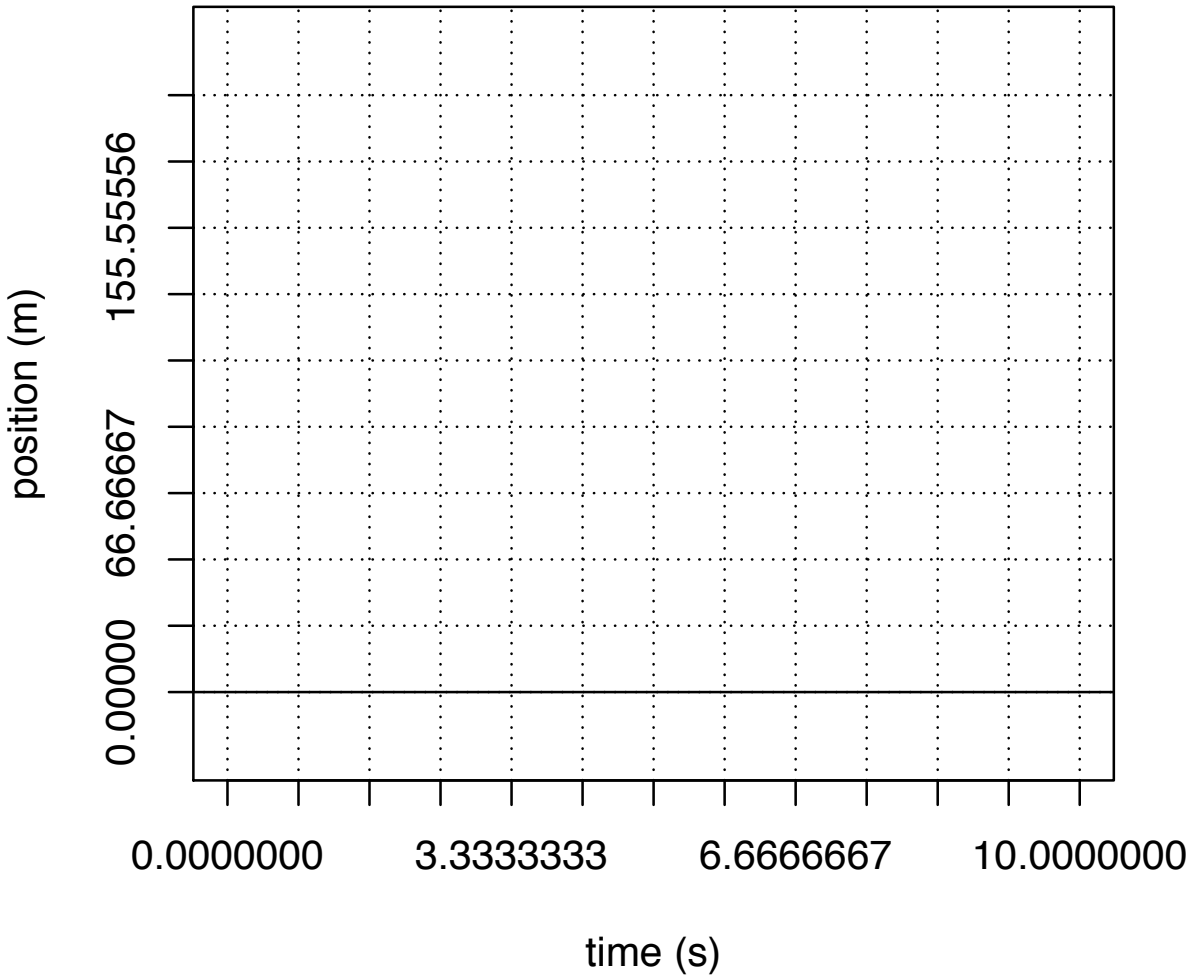
Problem 3:
Initial Position = 0, Initial Velocity = 0



Kinematic Graphs Practice Name _____

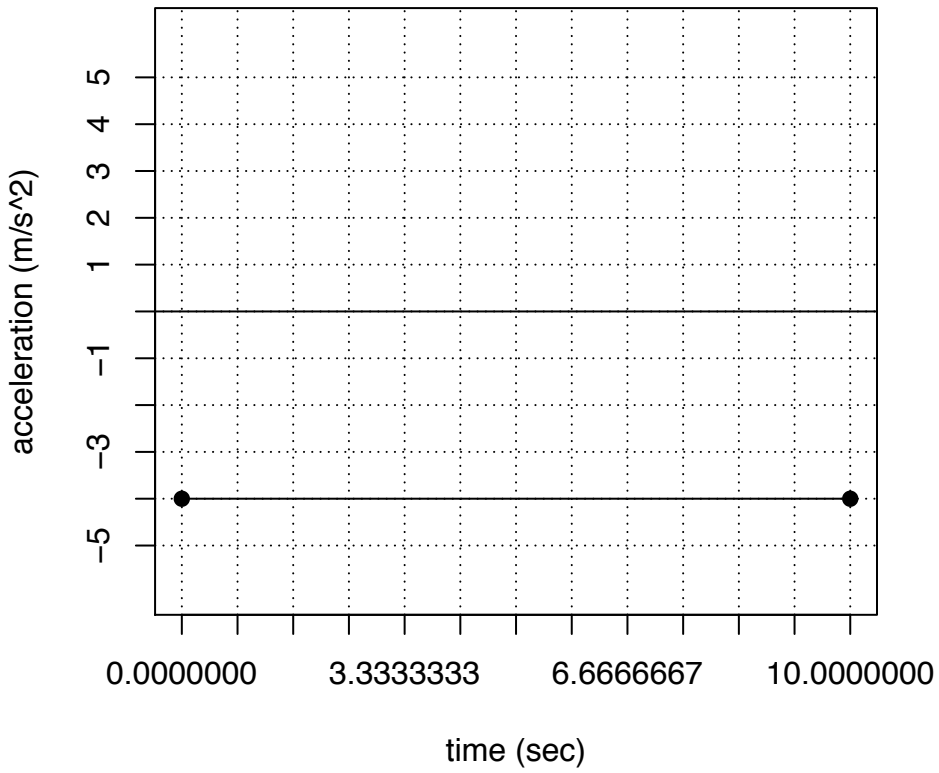


Kinematic Graphs Practice Name _____

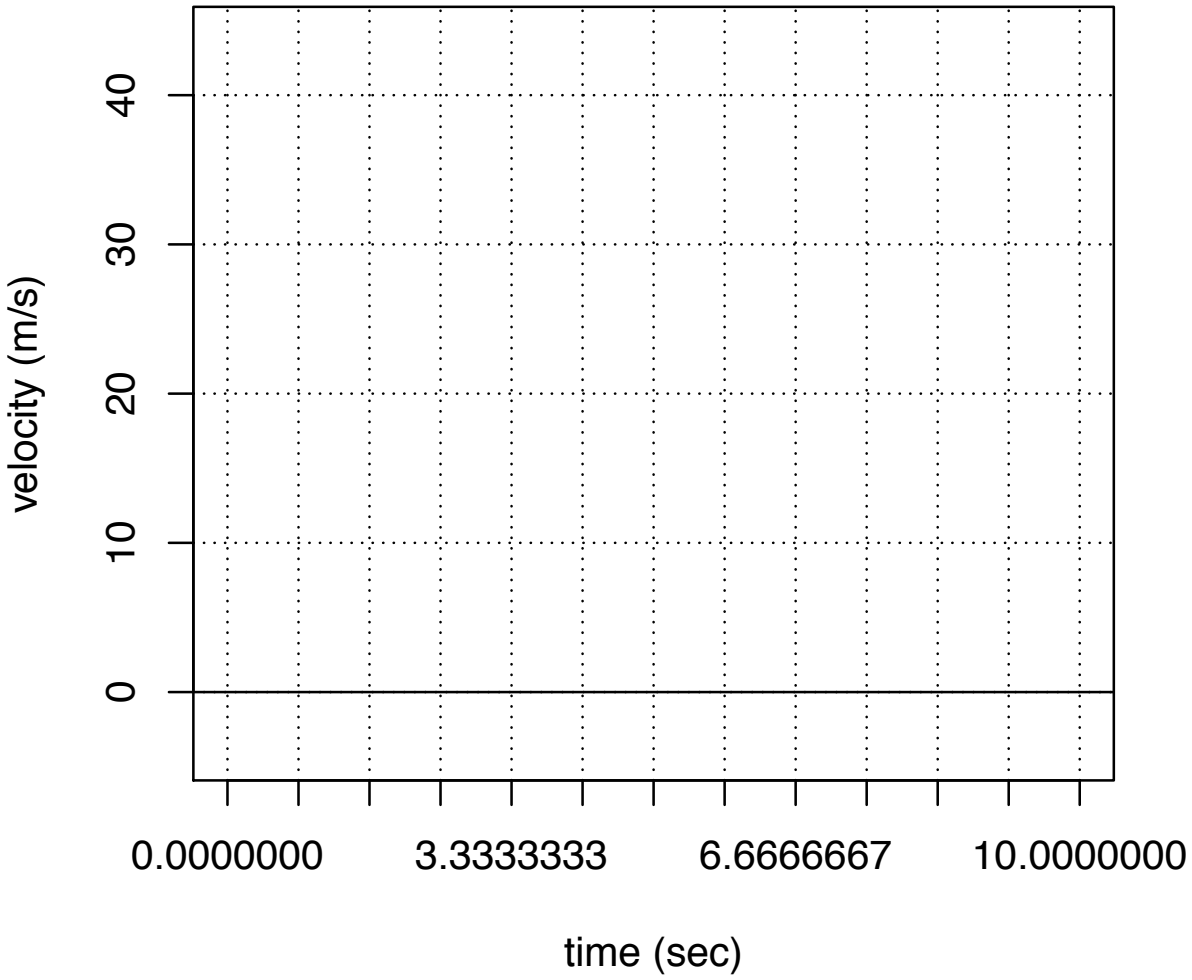


Kinematic Graphs Practice Name _____

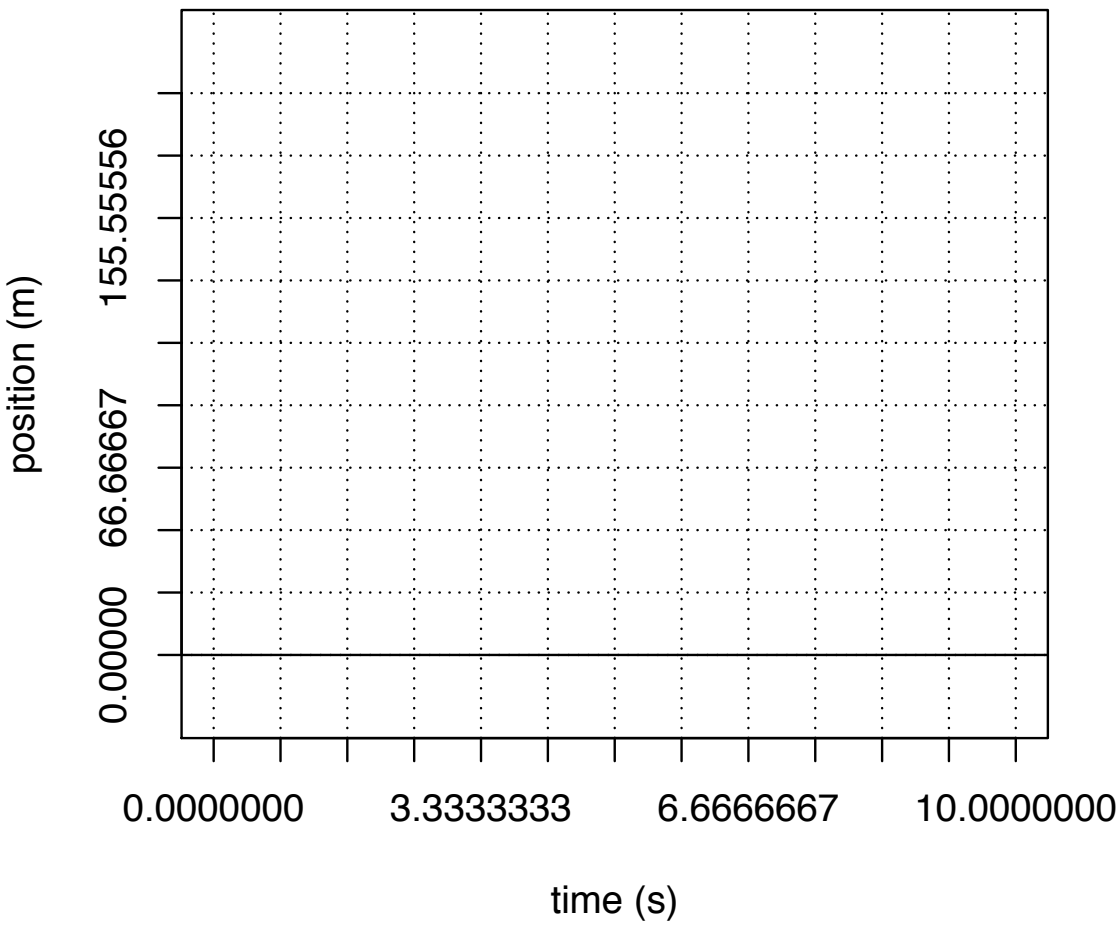
Problem 4:
Initial Position = 0
Initial velocity = 40 m/s



Kinematic Graphs Practice Name _____

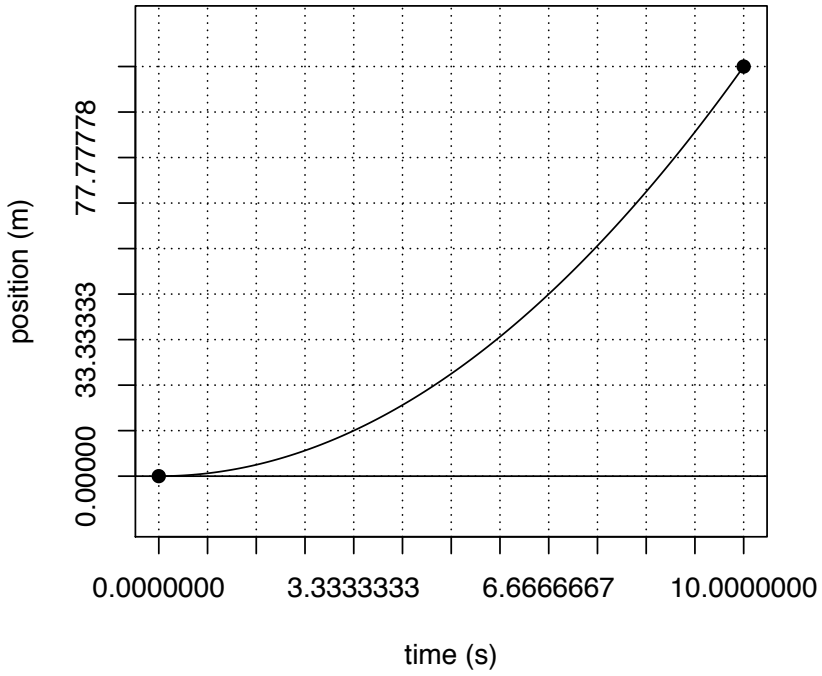


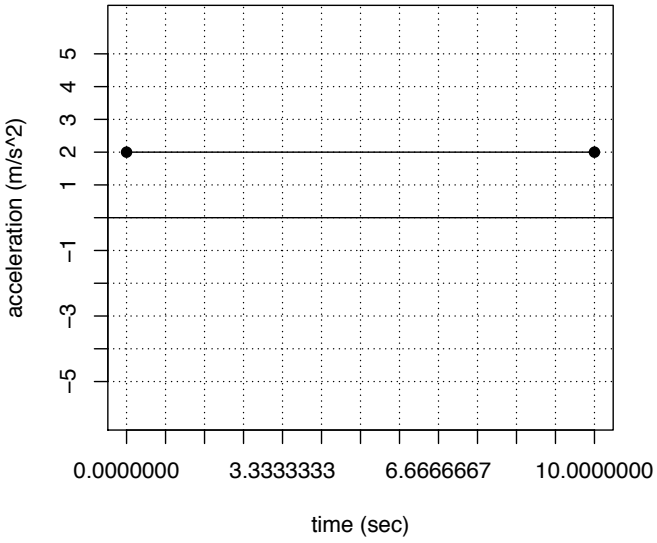
Kinematic Graphs Practice Name _____



Kinematic Graphs Practice Name _____

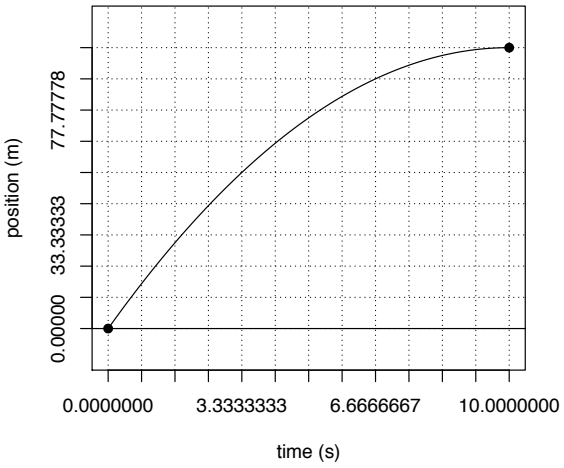
Answers
Problem 1:

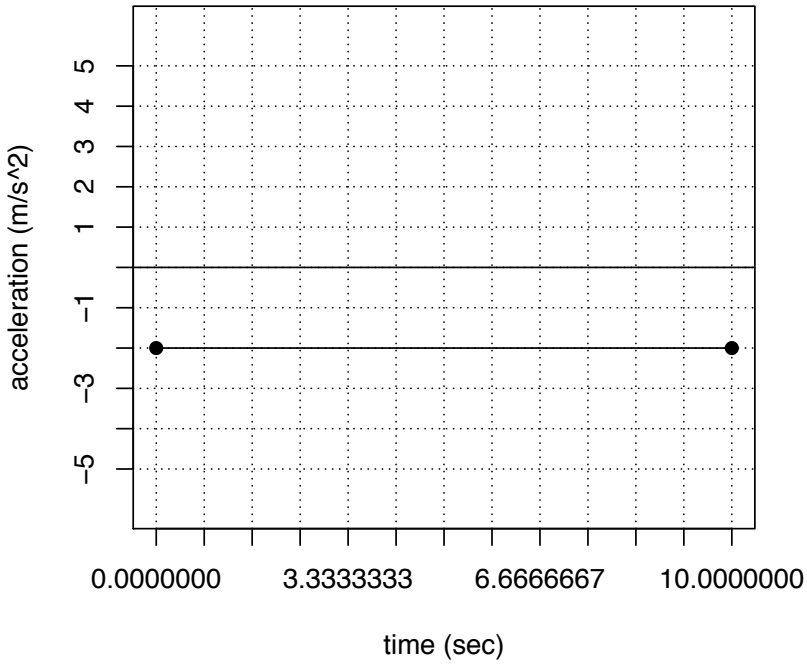




Kinematic Graphs Practice Name _____

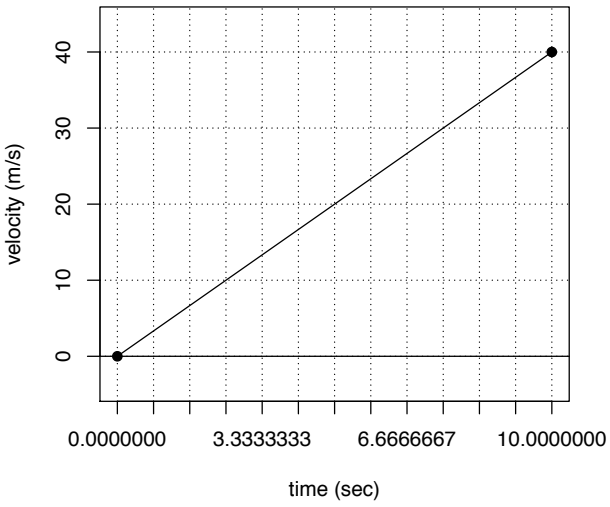
Problem 2:

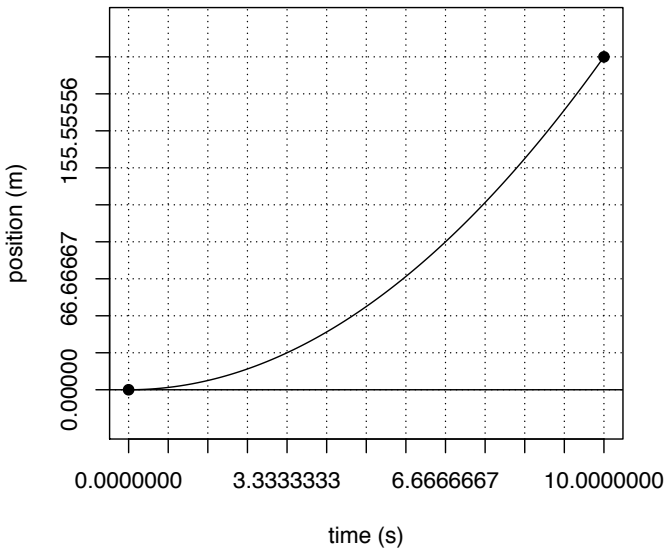




Kinematic Graphs Practice Name _____

Problem 3:





Kinematic Graphs Practice Name _____

Problem 4: