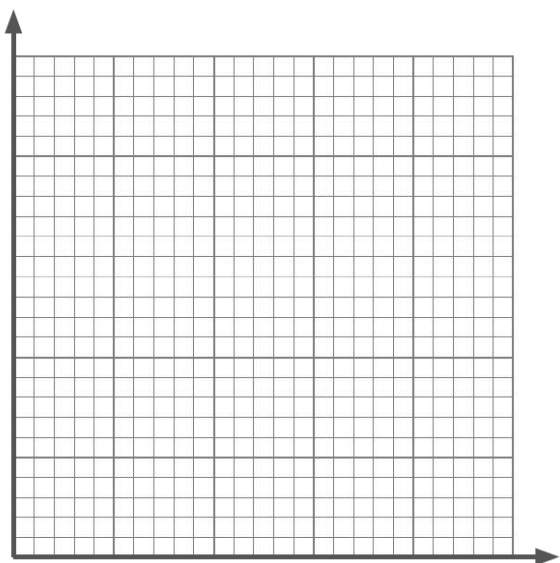


For each of the two trials in this experiment, the object is moving from left to right. The diamonds represent the dot diagram for the motion (the position every two seconds). Fill in the data tables, and draw the graphs associated with the motion.

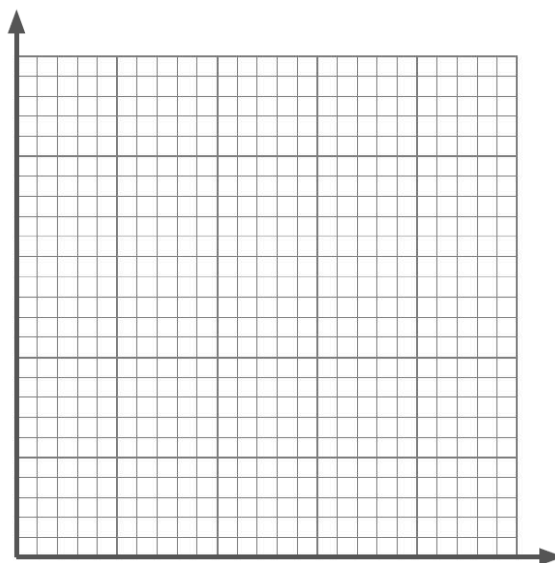


time (s)	position (m)				
0.00					
2.00					
4.00					
6.00					
8.00					
10.00					

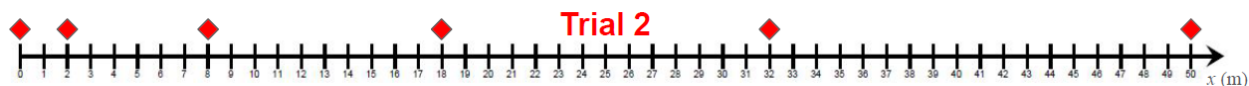
Position vs. Time Graph:



Velocity vs. Time Graph:

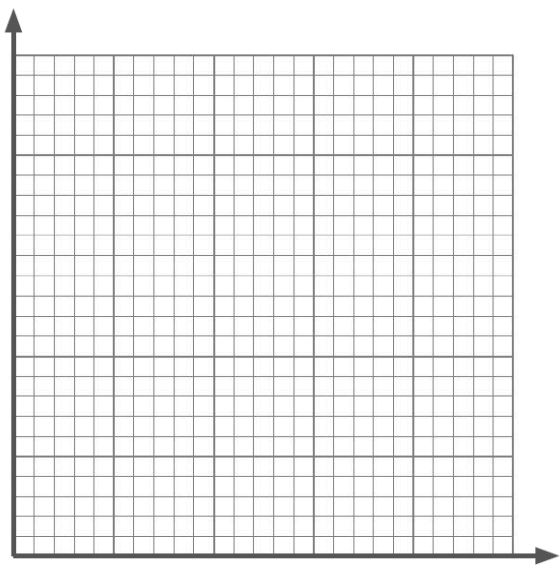


Draw a best-fit line for each graph. Use a ruler if they are linear. State the equation of lines. What is the significance of the slope of each?

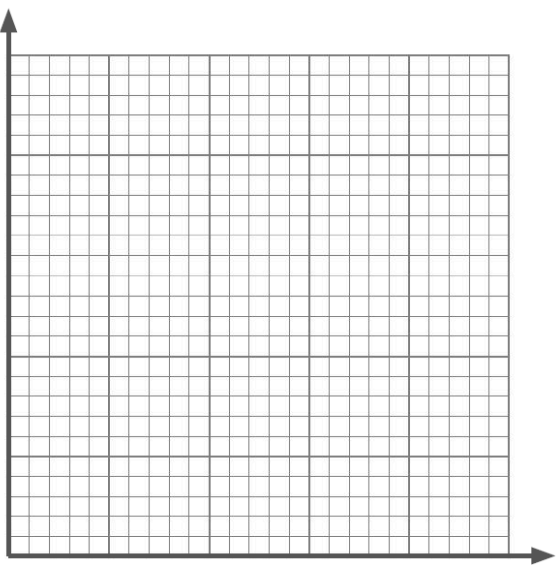


time (s)	position (m)					
0.00						
2.00						
4.00						
6.00						
8.00						
10.00						

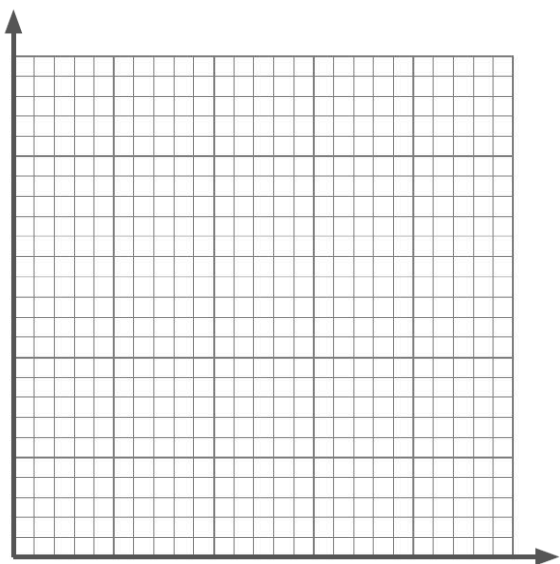
Position vs. Time Graph:



Velocity vs. Time Graph:



Linearized Position-Time Graph:



Draw a best-fit line for each graph. Use a ruler if they are linear. State the equation of lines. What is the significance of the slope of each?