Lab 1: Dune Buggy Challenge

Question:
  How much time does it take a Dune Buggy car to travel a specified distance?

Purpose:
  To collect distance-time data for a Dune Buggy car in order to predict the time it takes the Dune Buggy to travel a specified distance.
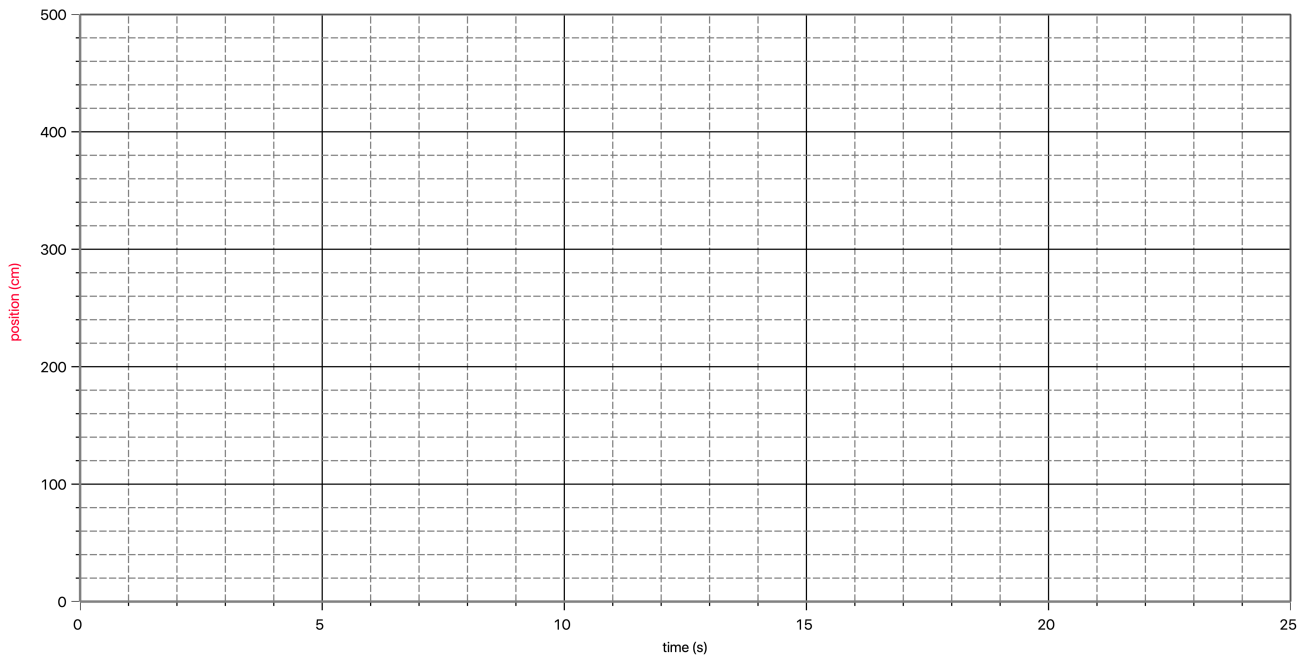
Data:

Distance (cm)	Time (s)
0	0
50	
100	
150	
200	

Car #: _____

Plot the data on the graph below. Draw a *best-fit line* through the data.

Let your teacher know when you are ready for the prediction part of the lab.

Specified Distance: _____ (Provided by teacher in exchange for your car.)

Predicted Time: _____ (You get your car back once you've done this.)

Measured Time: _____ (Get your car back and do this in your teacher's presence.)

Conclusion:

Claim:

I predicted that it would take my Dune Buggy car _____ to travel the

specified distance of _____ cm.

Evidence:
(Discuss values from your Data section … identifying the data that you used to determine the prediction. Use specifics in your discussion.)

Reasoning:
(Explain in a few sentences why this evidence provides logical support for believing that your claim is true. And while you're at it, you ought to mention how well … or not well … that you did.)