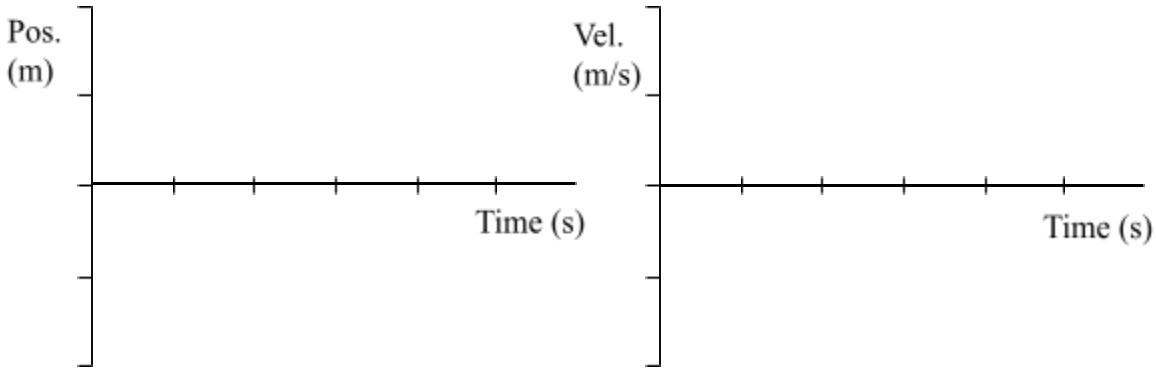
Name:_____

Motion Maps and Constant Velocity

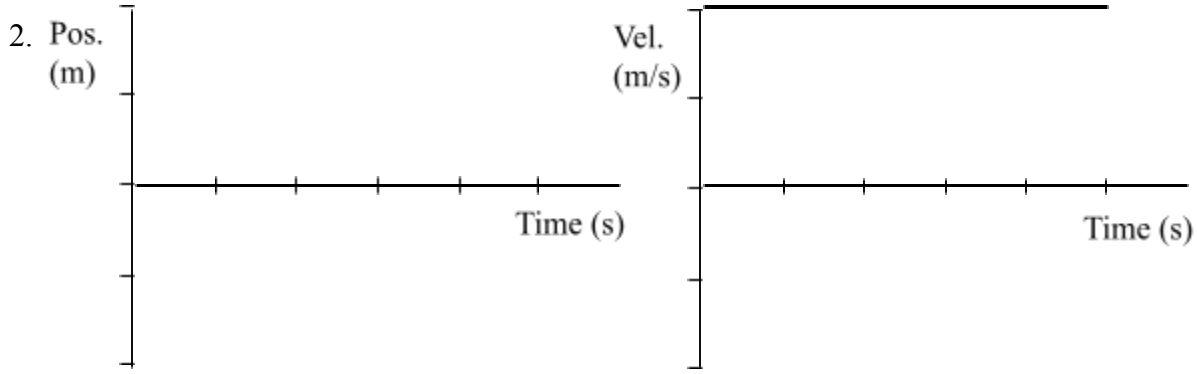
One of the characteristics of a good model is that it is internally consistent. Thus far you have three formal modeling tools: position vs. time graphs, velocity vs. time graphs, and word descriptions. This activity is about introducing a new tool – motion maps. We want to use all of these modeling tools in consistent manners. You will be given one of the four tools, and your job is complete the other three and ensure they are consistent.

1.



Motion Map:

Word Description:

2. 

Motion Map:

Word Description:

White board questions:

1. What rules can you make about motion maps?
2. How do motion maps fit together with our other representations?
3. What do motion maps add to our model? What do we use them for and why?