Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Constant Motion Activity

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 motion maps. This homework is about using these modeling tools in consistent manners. You will be given one of the three tools, and your job is complete the other two and ensure they are consistent.

1.

Motion Map

time

Pos.

time

Vel.

time

Pos.

time

Vel.

2.

Motion Map

3.

time

Pos.

time

Vel.

Motion Map

time

Pos.

time

Vel.

4.

Motion Map

time

Pos.

time

Vel.

5.

Motion Map