

Unit 1: Uniform Motion

Worksheet 3

Multiple Representations of Motion Practice

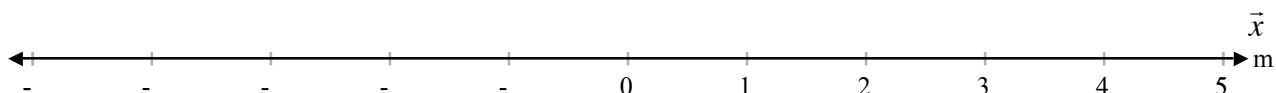
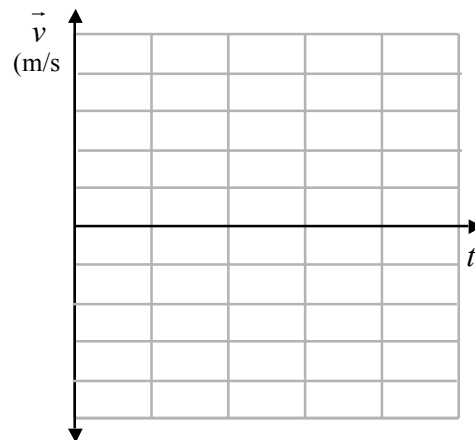
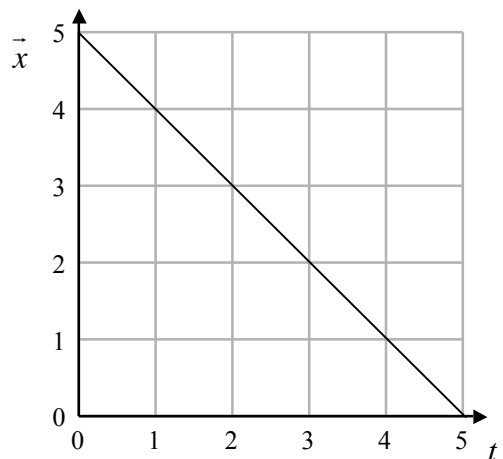
Name _____

Date _____ Period _____

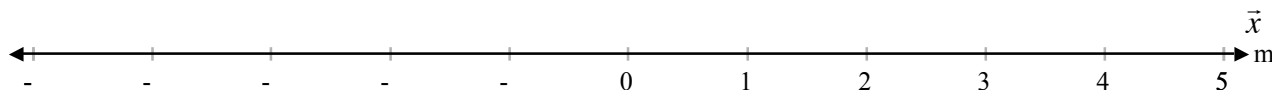
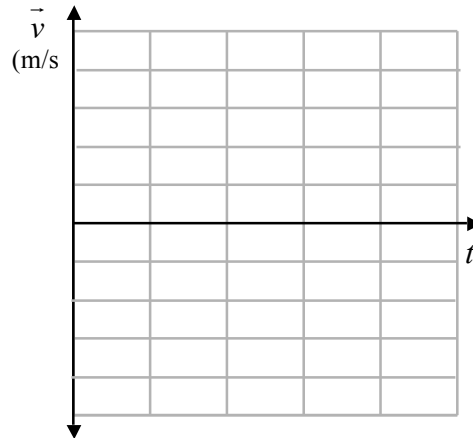
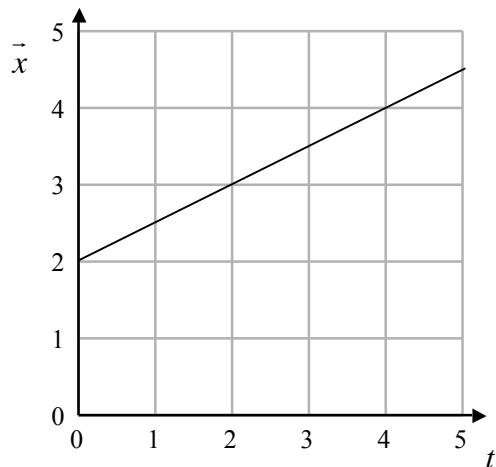
For each of the following position vs. time graphs do the following.

- Produce a **Motion Map** from each position vs. time graph. Include one dot every 1s.
- Calculate the average velocity** of the object for each portion of the graph. Show work.
- Write an equation**, which describes the motion of the object. (Not required for problem 4)
- Plot a **quantitative velocity vs. time** graph, which corresponds to the position vs. time graph.

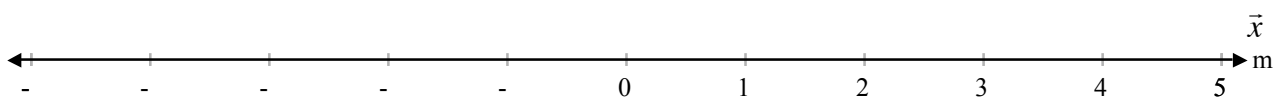
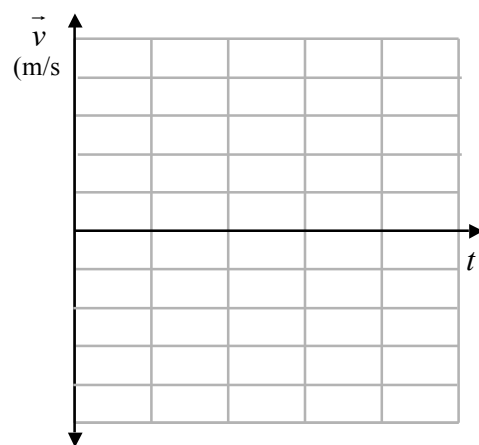
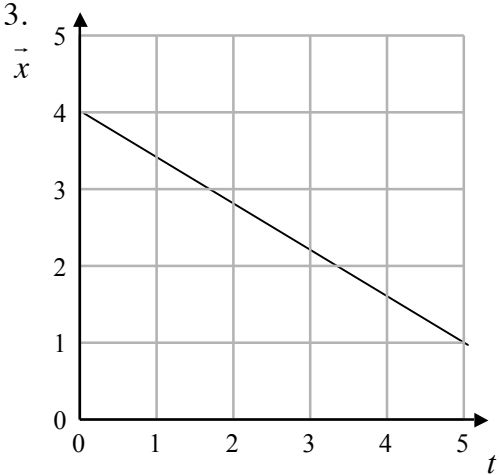
1.



2.



3.



4.

