

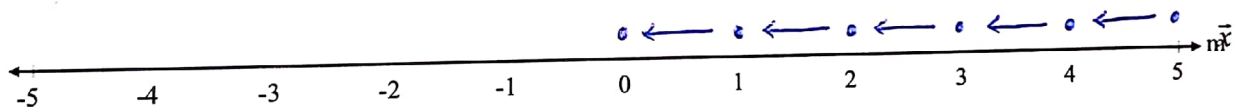
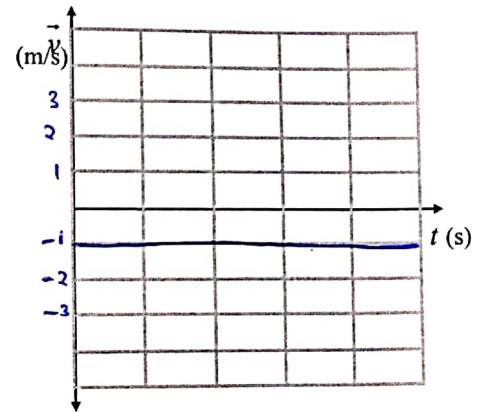
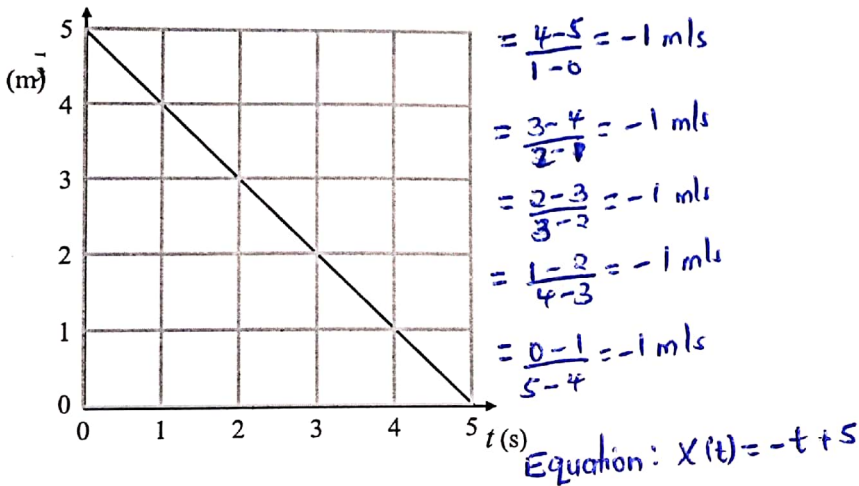
Unit 2 - Worksheet 3

Multiple Representations of Motion Practice

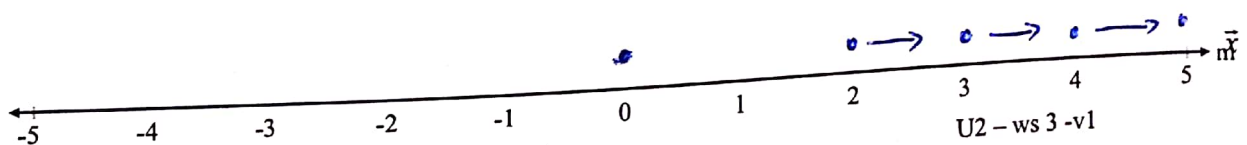
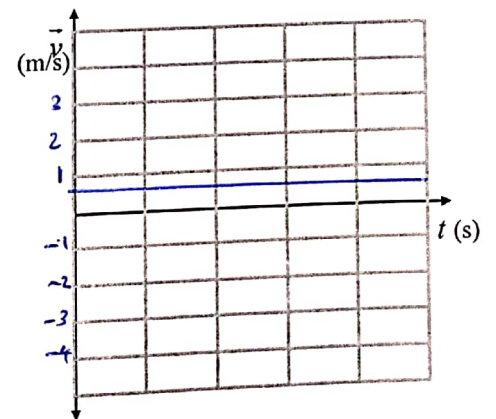
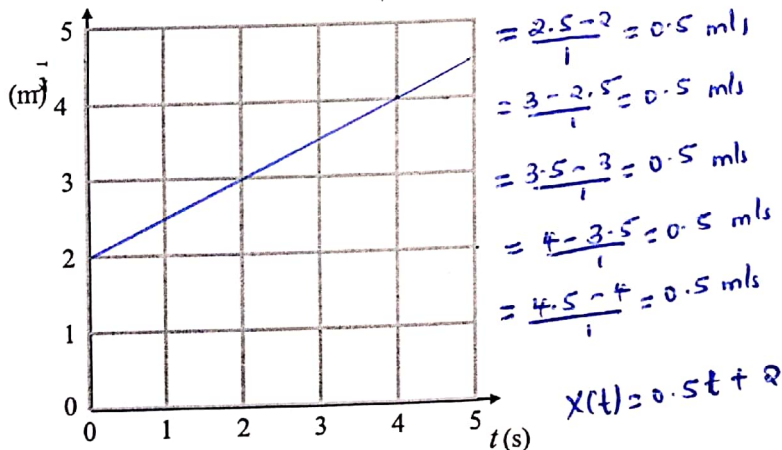
For each of the following position vs. time graphs do the following.

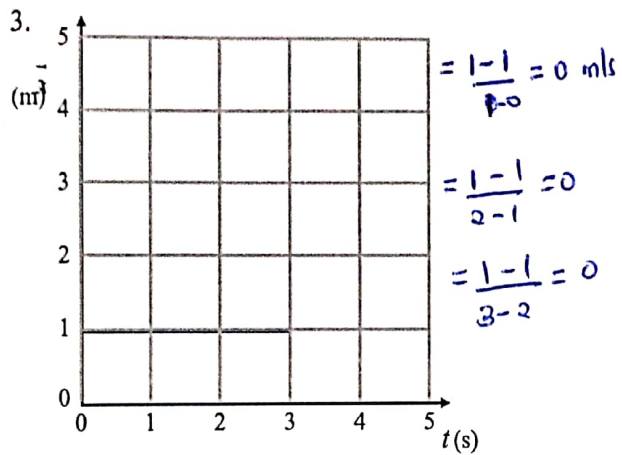
- Produce a motion map from each position vs. time graph. Include one dot every 1.0 s.
- Calculate the average velocity of the object for each portion of the graph.
- Write an equation that describes the motion of the object. (Problems 1 & 2 only)
- Plot a quantitative velocity vs. time graph that corresponds to the position vs. time graph.

1.



2.





~~$x(t)$~~

