

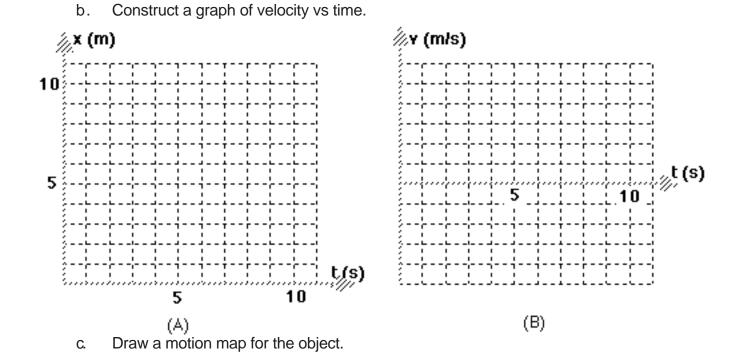
- d. Write a mathematical expression which represents the relationship between \mathbf{x} and \mathbf{t} , from fig. 1.
- e. Write a mathematical expression which represents the relationship between ${\bm v}$ and ${\bm t},$ from fig. 2
- f. Describe what the area under the curve in fig. 2 represents. Cross hatch this area.

Unit II: Worksheet 4

2. From the position vs time data below, answer the following questions.

x (m)	t (s)
0	0
2 4 7 10	1
4	2
4	23 45 67
7	4
10	5
10	6
10	
5 0	8 9
0	9

a. Construct a graph of position vs time.



- d. Determine the displacement from t = 3.0s to 5.0s using graph B.
- e. Determine the displacement from t = 7.0 s to 9.0 s using graph B.