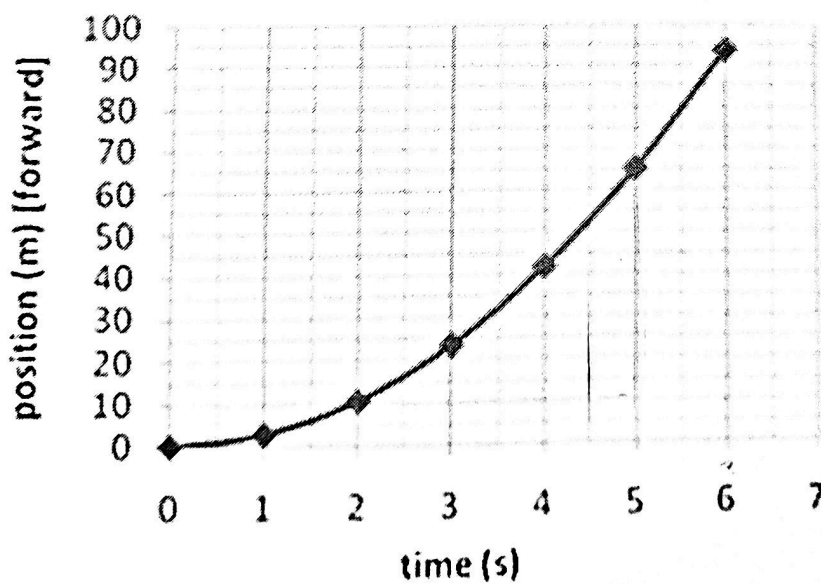


1. A girl leaves a history classroom and walks 10 m north to a drinking fountain. Then she turns and walks 30 m south to an art classroom.
- What is the girl's total displacement from the history classroom to the art classroom?
  - What is the total distance she travelled?

2. Given the following data obtained by moving an object to the right (+)

Time (s)	Displacement (m)
0	0
0.2	0.12
0.3	0.24
0.4	0.47
0.5	0.60
0.6	0.72
0.7	0.85

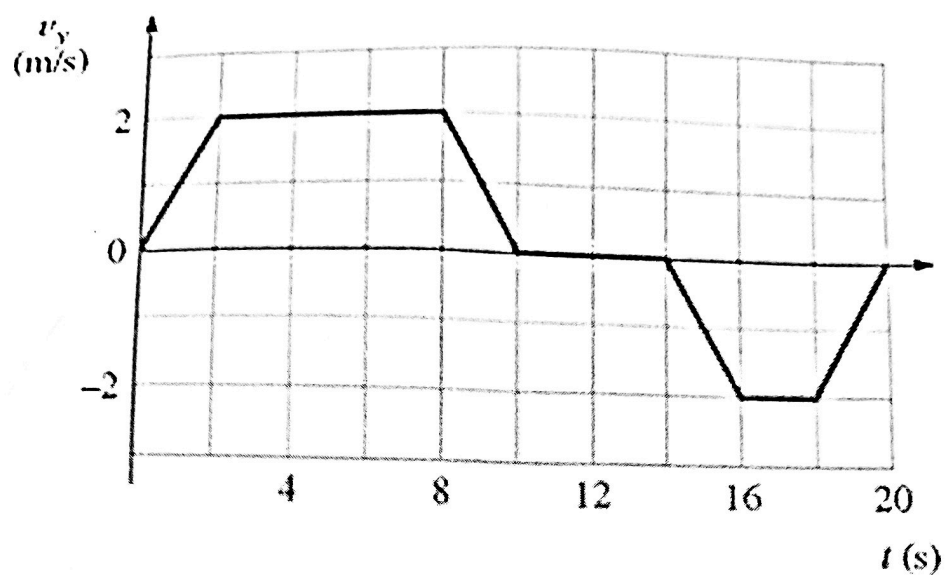
- graph a position-time graph.
  - find the velocity of the object.
  - find the displacement of the object in 0.45 s and 0.85 s.
3. Given the following graph of the movement of a boat



- find the average velocity for the first 6 s.
- find the velocity at 2 s, 4 s, and 6 s.
- graph a velocity-time graph.

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

4. Given the following velocity-time graph



- graph an acceleration-time graph. Remember that you should calculate the acceleration for each interval separately.
- graph a position-time graph. Again, calculate the displacement for each interval.