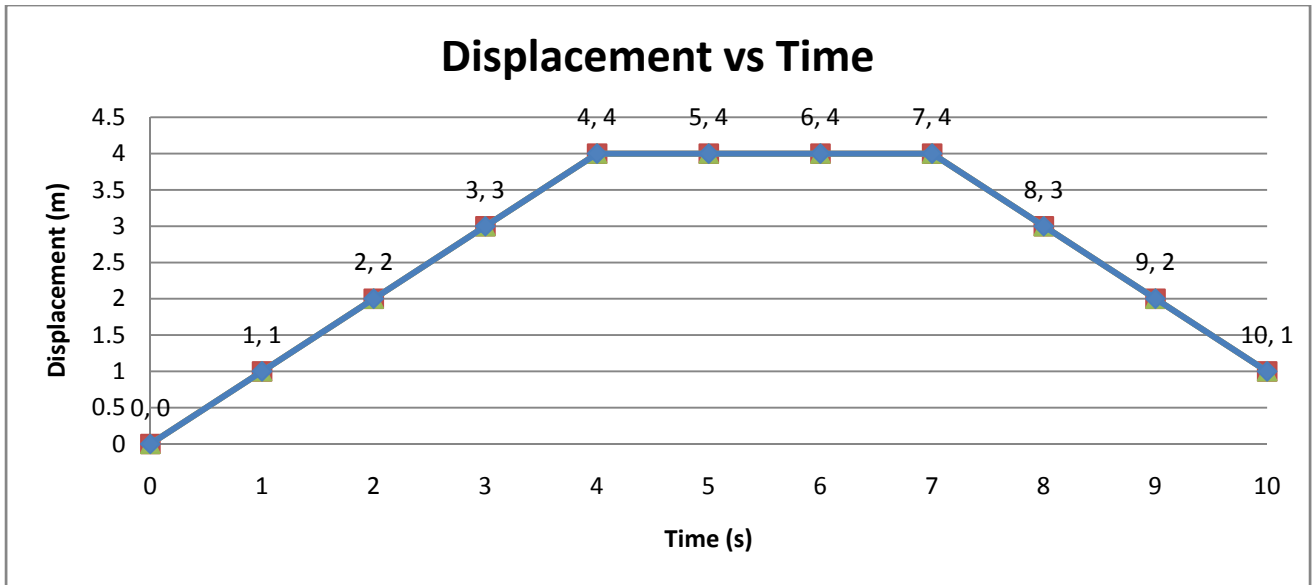


## Graphical Interpretation of Instantaneous and Average Velocity

Explain what happens in each of these graphs. Make sure to record the speed or velocity for each interval

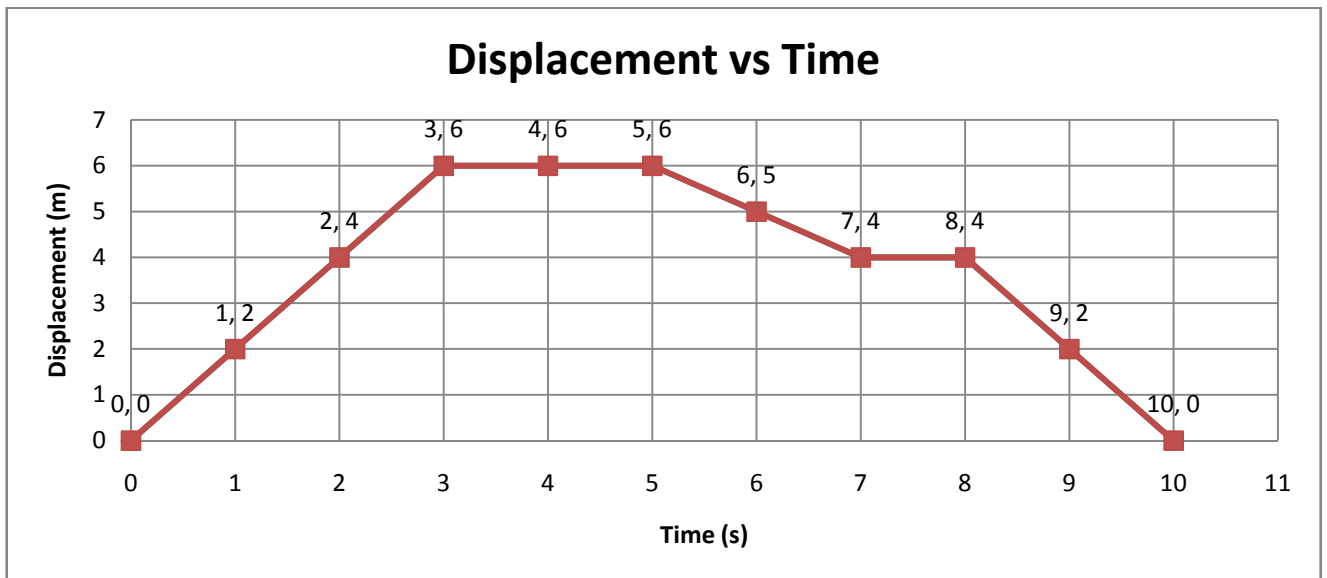
1.



Solve for the missing blocks:

Time	0 to 4 seconds	4 to 7 seconds	7 to 10 seconds	0 to 7 seconds
Displacement				
Average Velocity				

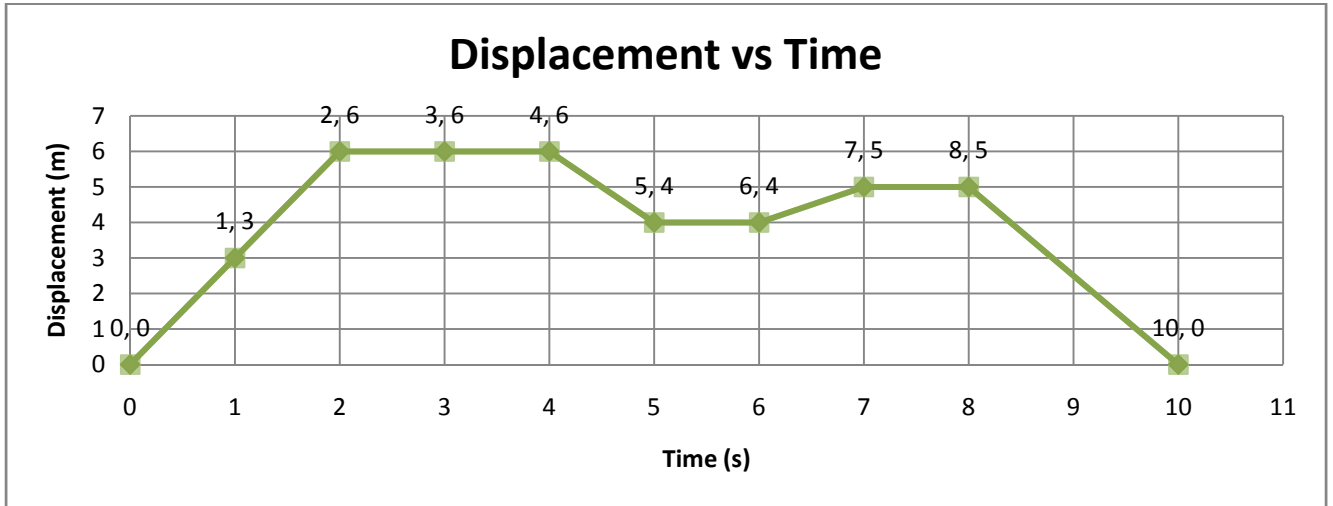
2.



Solve for the missing blocks:

Time	0 to 3 seconds	3 to 6 seconds	5 to 7 seconds	7 to 8 seconds	8 to 10 seconds
Displacement					
Average Velocity					

3.

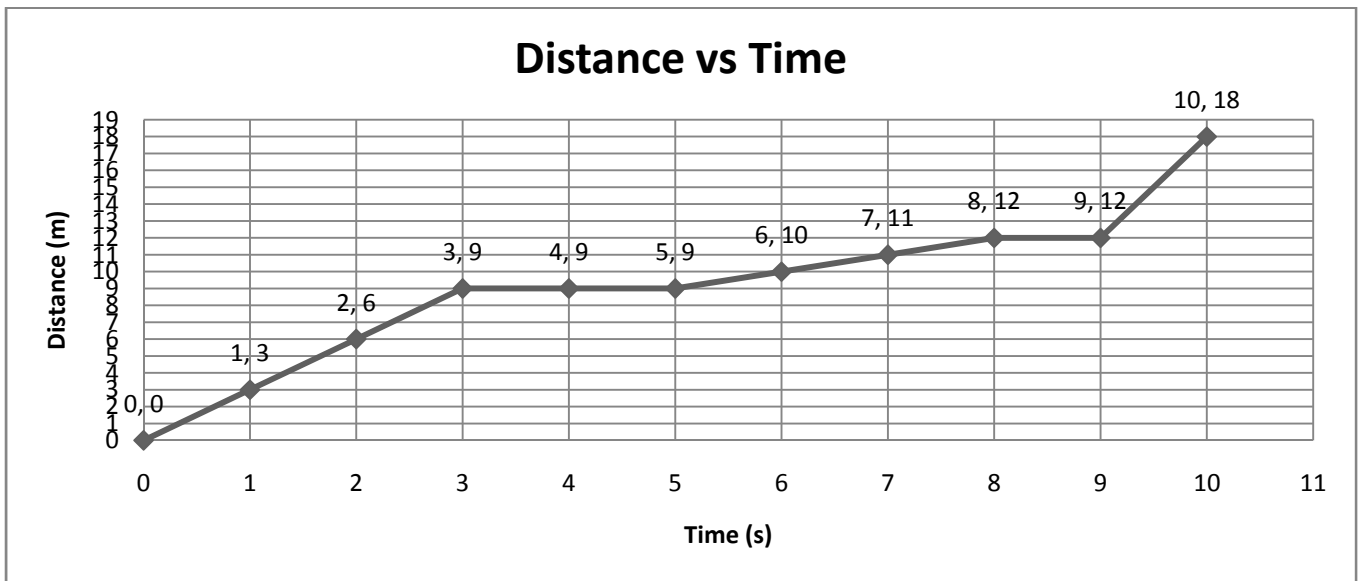


Solve for the missing blocks:

Time	0 to 2 seconds	0 to 4 seconds	0 to 5 seconds	0 to 6 seconds	0 to 8 seconds
Displacement					
Average Velocity					

What is the distance traveled in the graph above? \_\_\_\_\_

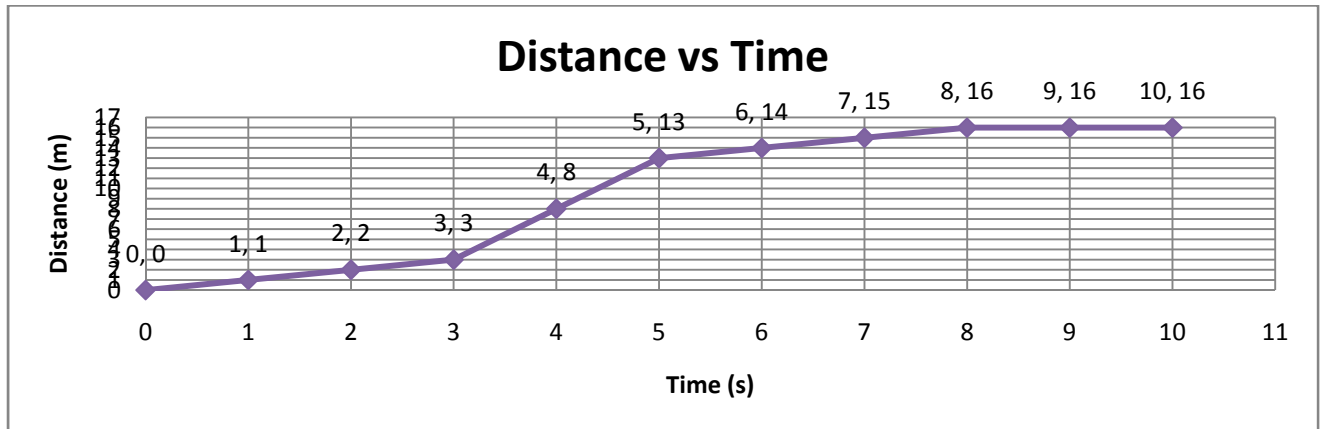
4.



Solve for the missing blocks:

Time	0 to 3 seconds	0 to 5 seconds	0 to 8 seconds	0 to 9 seconds	0 to 10 seconds
Distance					
Average Speed					

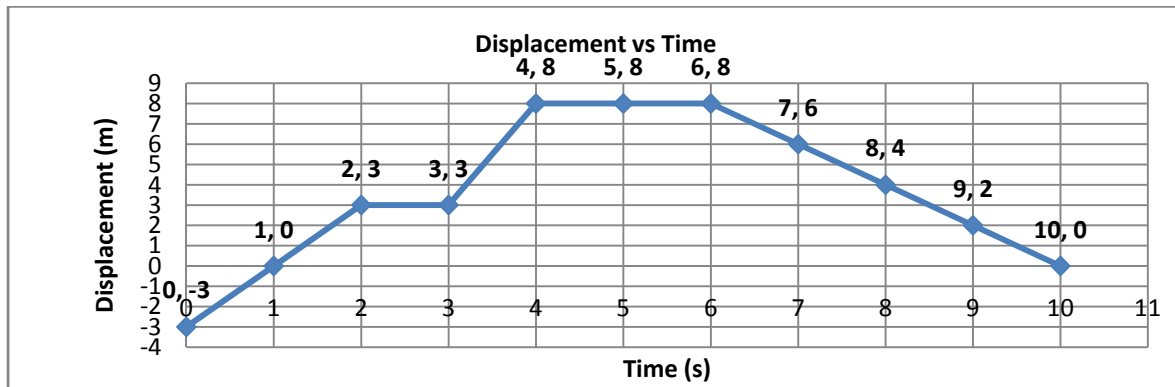
5.



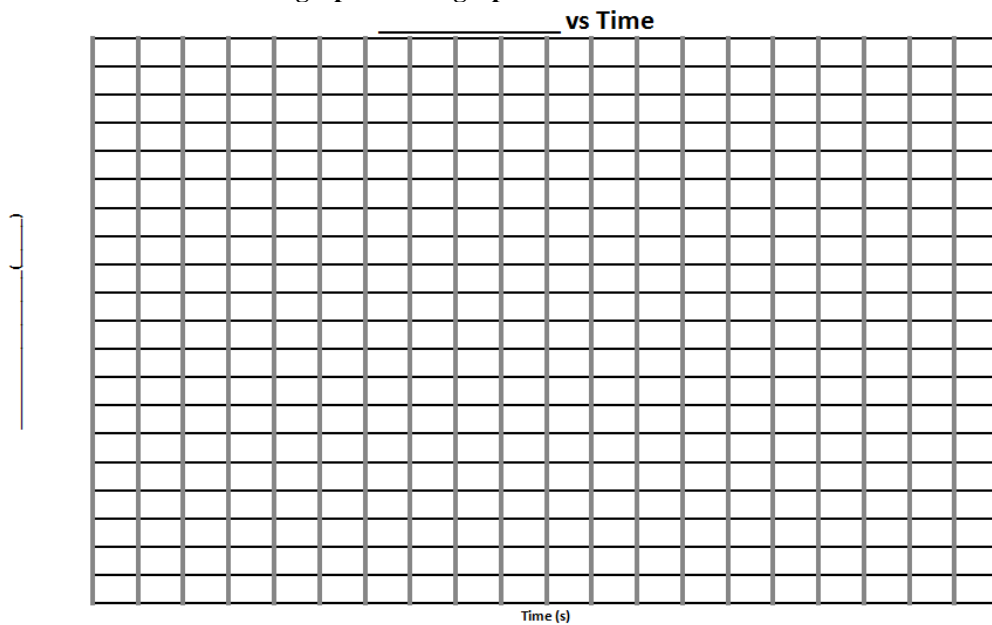
Solve for the missing blocks:

Time	0 to 3 seconds	0 to 5 seconds	0 to 8 seconds	0 to 10 seconds	3 to 10 seconds
Distance					
Average Speed					

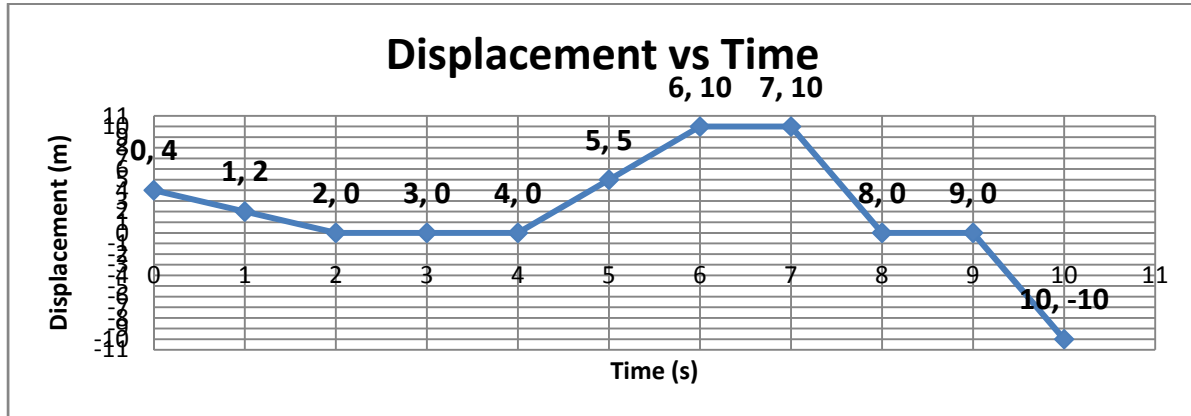
6.



Draw the distance vs time graph for the graph above



7.



What is the instantaneous velocity at 1.5 seconds? \_\_\_\_\_

At what time(s) is the object not moving? \_\_\_\_\_

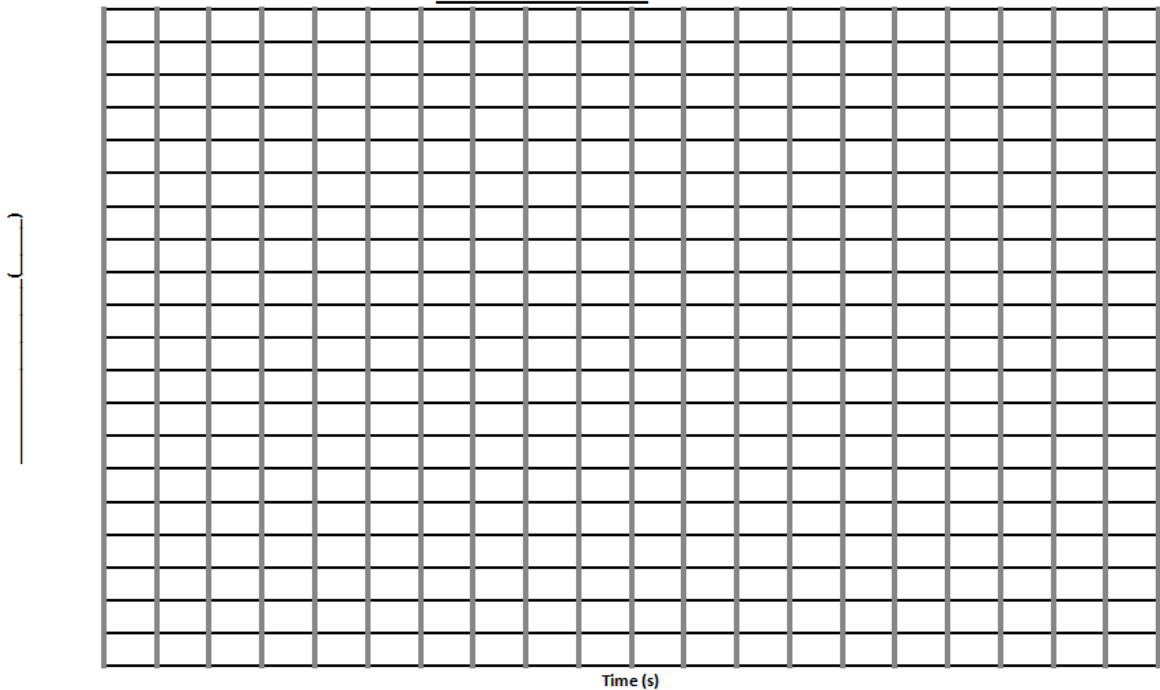
Where does the object have the greatest velocity? \_\_\_\_\_

Where does the object have the greatest Speed? \_\_\_\_\_

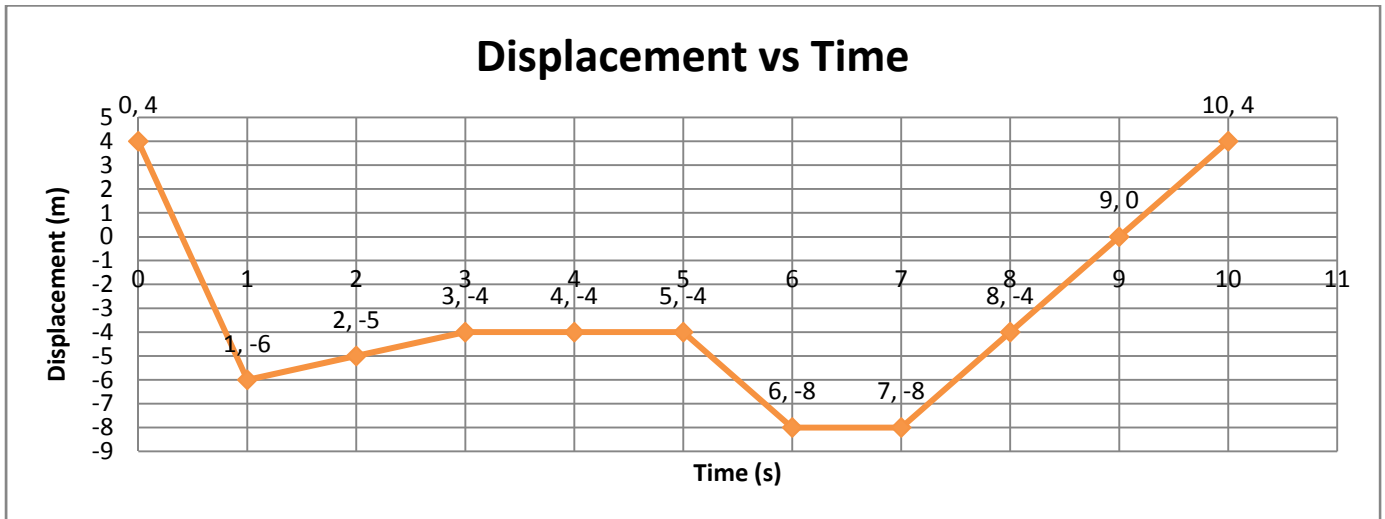
What is the average velocity between 4 and 8 seconds? \_\_\_\_\_

What would the average speed be between 4 and 8 seconds? \_\_\_\_\_

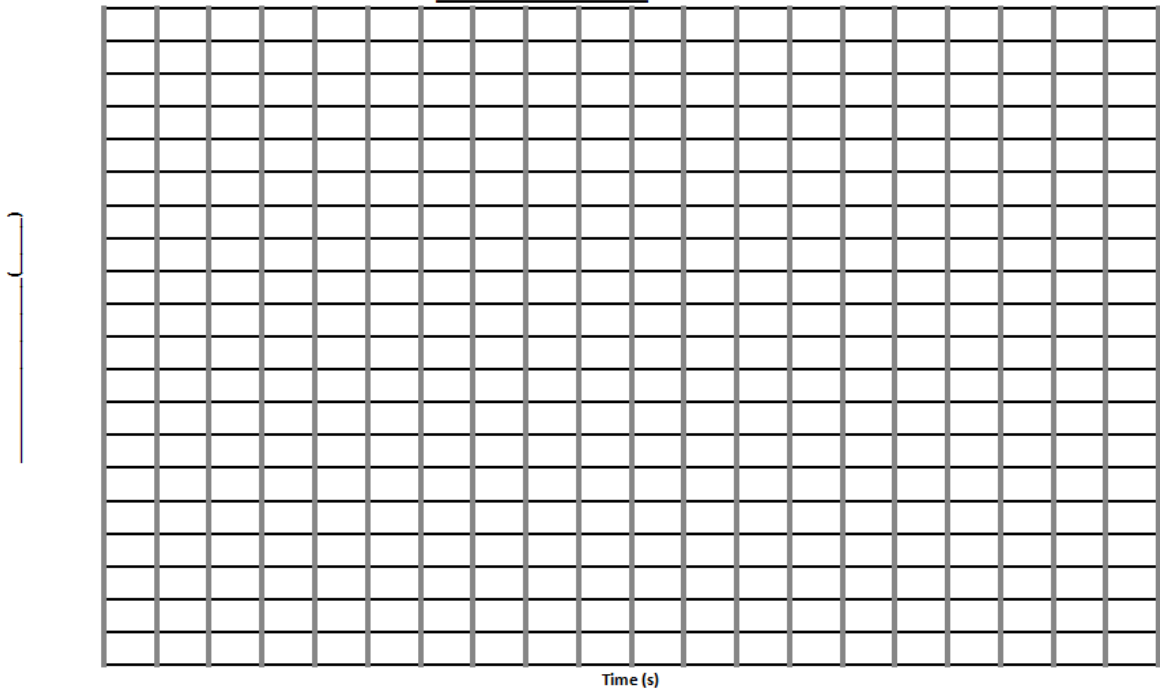
Sketch a velocity graph  
 \_\_\_\_\_ vs Time



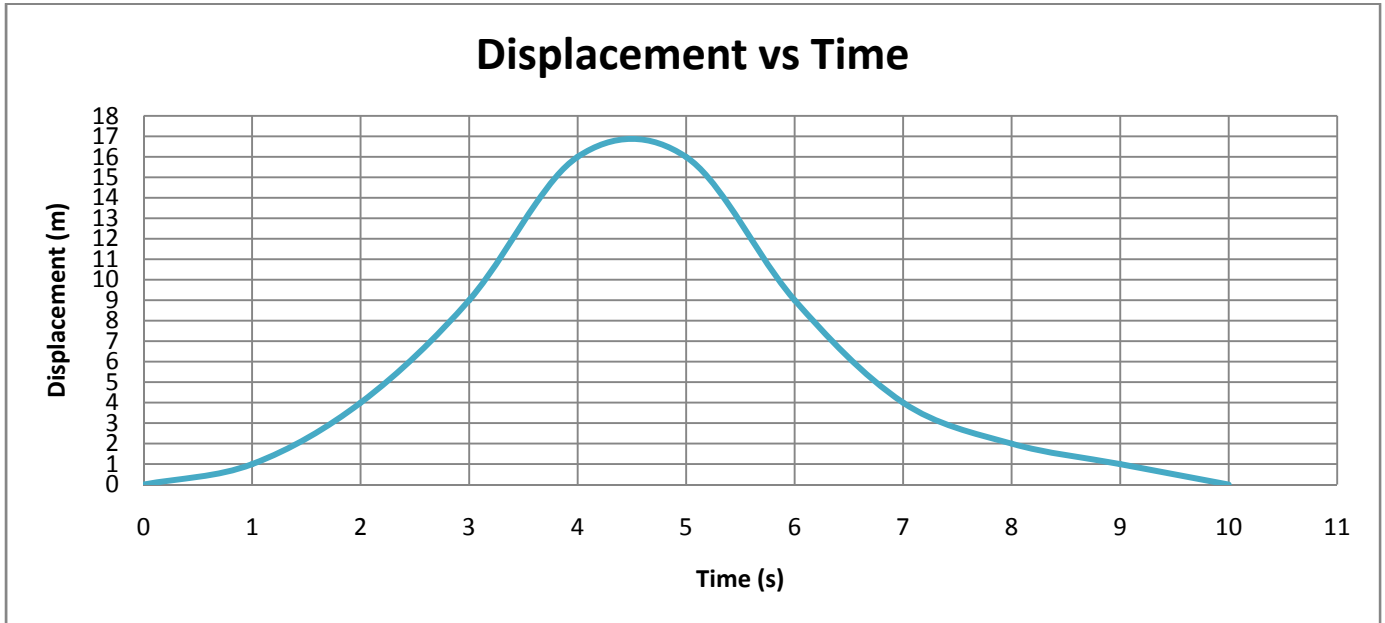
8.



Sketch a velocity graph  
\_\_\_\_\_ vs Time



9.

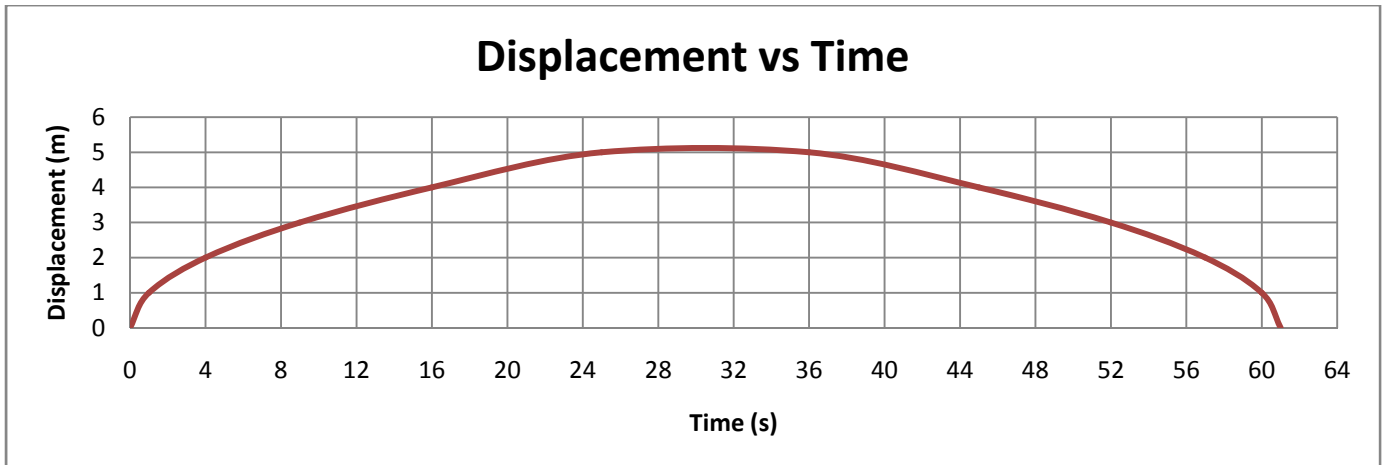


What is the instantaneous velocity at 2 seconds? \_\_\_\_\_

What is the instantaneous velocity at 4.5 seconds? \_\_\_\_\_

What is the instantaneous velocity at 5 seconds? \_\_\_\_\_

10.



What is the instantaneous velocity at 8 seconds? \_\_\_\_\_

What is the instantaneous velocity at 24 seconds? \_\_\_\_\_

What is the instantaneous velocity at 52 seconds? \_\_\_\_\_