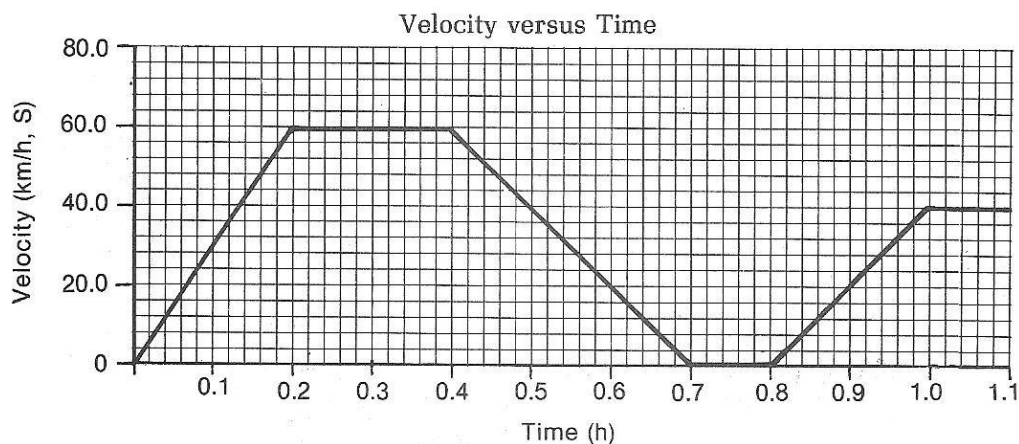


## Analyzing Motion Graphs

1. A velocity-time graph of a moving car is shown below. Answer the following questions using the graph.

- \_\_\_\_\_ a. At what time was the car stopped?
- \_\_\_\_\_ b. At what time did the car have the greatest velocity?
- \_\_\_\_\_ c. What was the greatest velocity?
- \_\_\_\_\_ d. At what time(s) was the car accelerating?
- \_\_\_\_\_ e. How fast was the car going at 1.0 h?
- \_\_\_\_\_ f. What is the acceleration at 0.9 hr.



2. Car A starts from a corner just as car B goes by at 90.0 km/h. The velocity-time graphs of the cars are shown below. Answer the following questions using the graphs.

- \_\_\_\_\_ a. At what time are the cars going at the same velocity?
- \_\_\_\_\_ b. How far has car A traveled when they reach the same velocity?
- \_\_\_\_\_ c. At what time does car A reach car B?
- \_\_\_\_\_ d. How far have each of the cars traveled when they are side by side?
- \_\_\_\_\_ e. Which car is ahead at 0.008 h?

