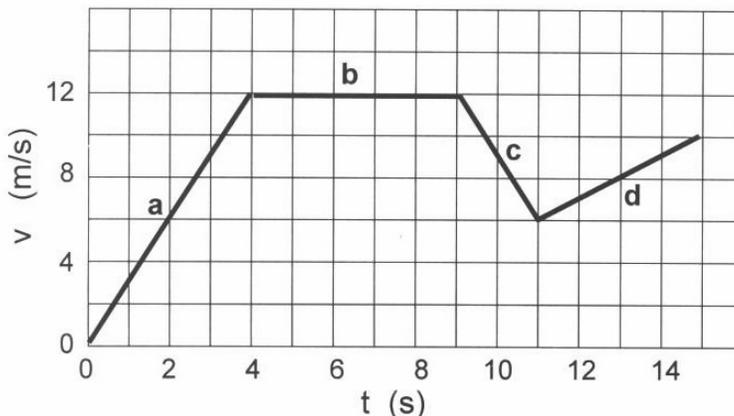
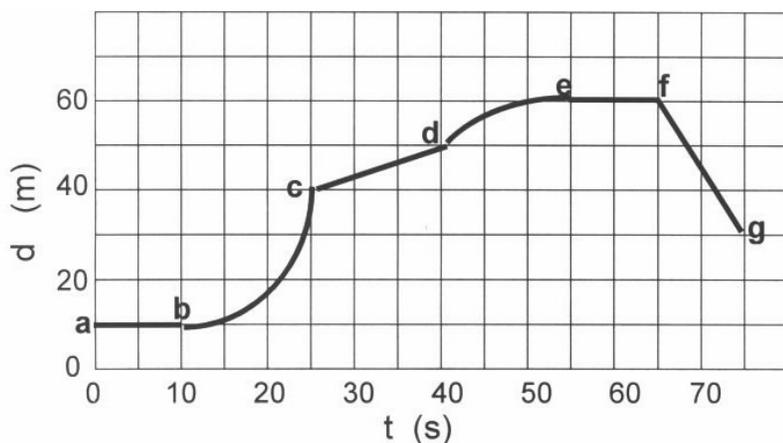


Questions 1-4 refer to the velocity-time graph of a car's motion:



1. In which section is the car accelerating from rest? \_\_\_\_\_
2. In which section is the car's acceleration negative? \_\_\_\_\_
3. How far does the car travel during section "b"? \_\_\_\_\_
4. What is the acceleration of the car in each section?  
 a \_\_\_\_\_ b \_\_\_\_\_ c \_\_\_\_\_ d \_\_\_\_\_

Questions 5-10 refer to displacement-time graph of a cart's motion:



5. In which section(s) is the cart accelerating?  
\_\_\_\_\_
6. In which section(s) is the cart not moving?  
\_\_\_\_\_
7. In which section(s) is the cart moving backwards? \_\_\_\_\_
8. In which section(s) is the cart's instantaneous velocity at any time equal to its average velocity? \_\_\_\_\_
9. What is the velocity of the cart in these sections?  
 a-b \_\_\_\_\_ c-d \_\_\_\_\_ e-f \_\_\_\_\_ f-g \_\_\_\_\_
10. How far does the cart move in section b-c? \_\_\_\_\_ e-f? \_\_\_\_\_