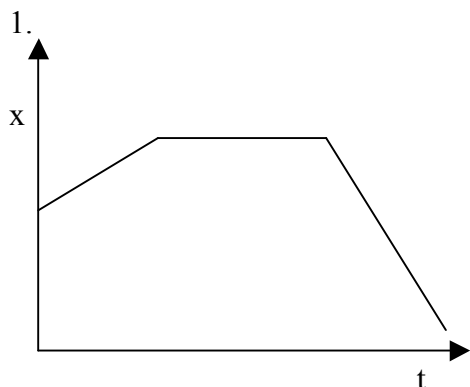


## Constant Velocity Particle Model Worksheet 5: Multiple Representations of Motion

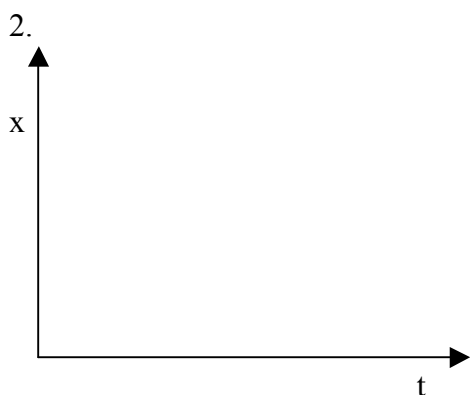
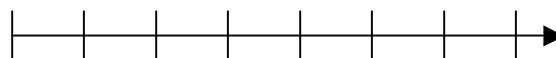
Given one motion representation, supply the missing motion representations.



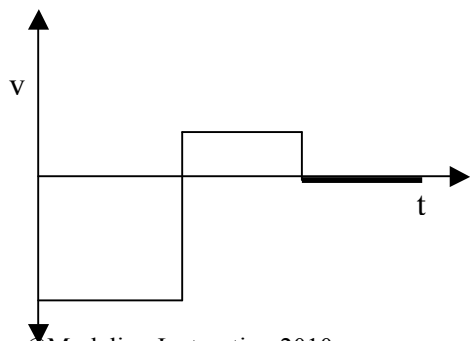
Written description:



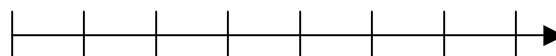
Motion map:



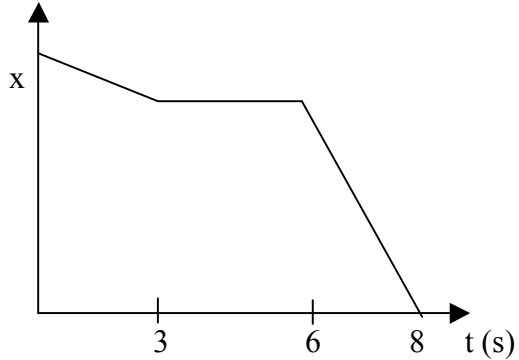
Written description:



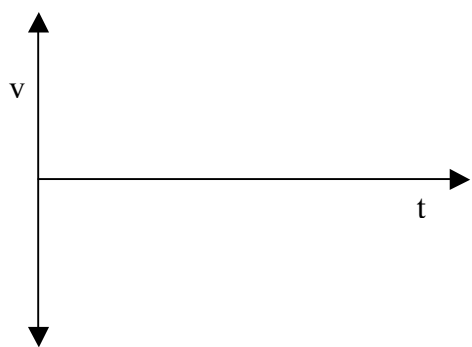
Motion map:



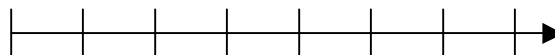
3.



Written description:



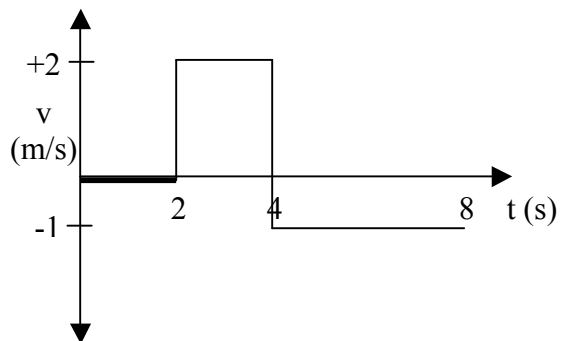
Motion map:



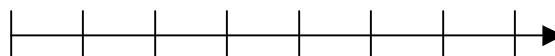
4.



Written description:



Motion map:



5.

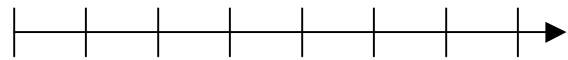


Written description:

Object moves with constant positive velocity for 4 seconds. Then, it stops for 2 seconds and returns to the initial position in 2 seconds.



Motion map:



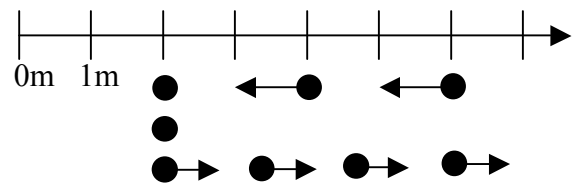
6.

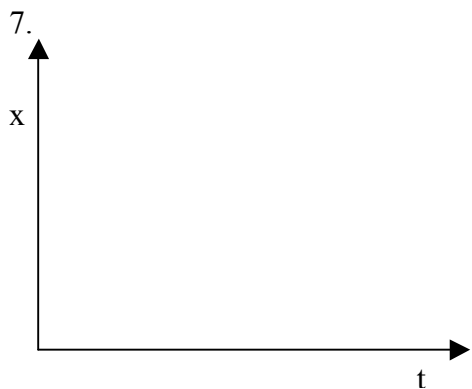


Written description:



Motion map:  $\Delta t = 1$  s



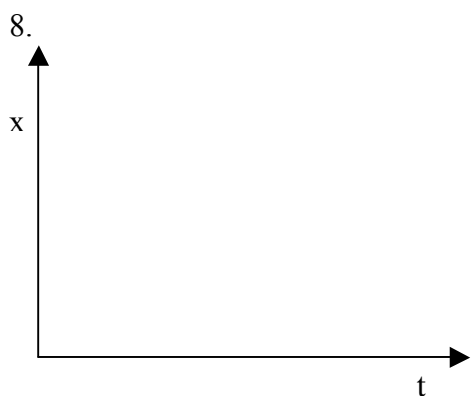
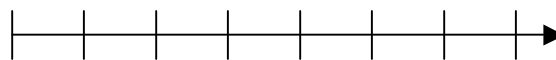


Written description:

Object A starts 10m to the right of the origin and moves to the left at 2 m/s.  
Object B starts at the origin and moves to the right at 3 m/s.



Motion map:



Written description:



Motion map:  $\Delta t = 1\text{s}$

