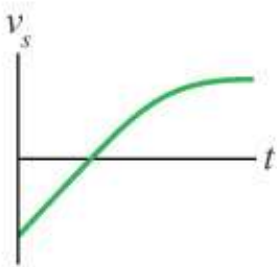
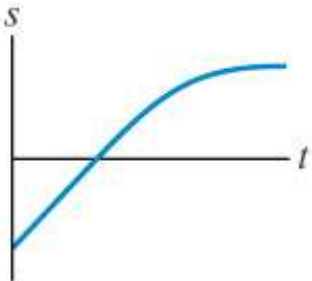
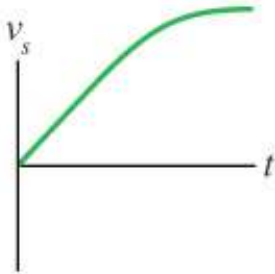


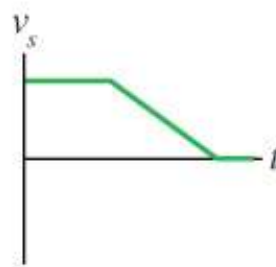
Which velocity-versus-time graph goes with this position-versus-time graph on the left?



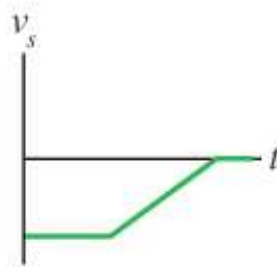
(a)



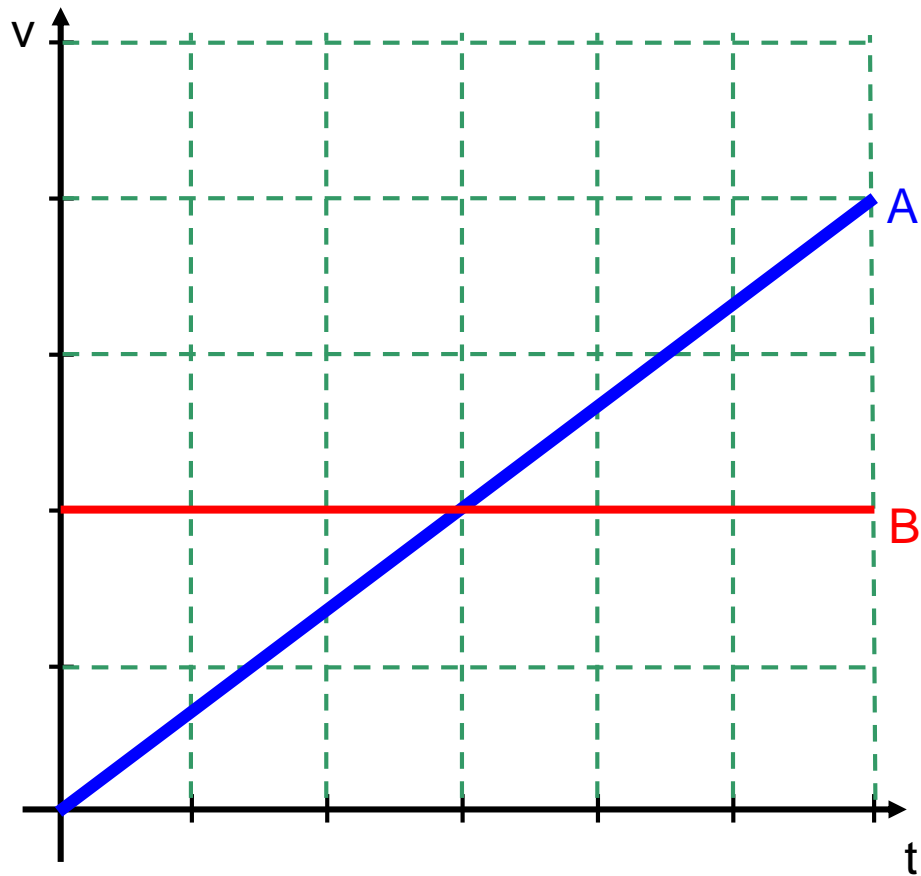
(b)



(c)



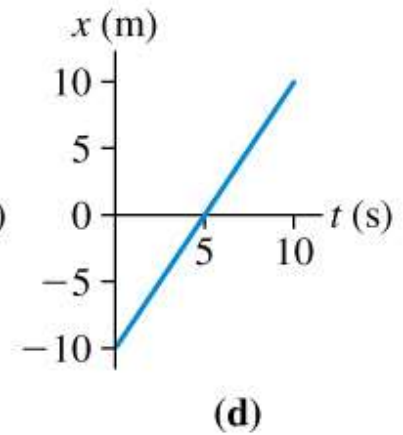
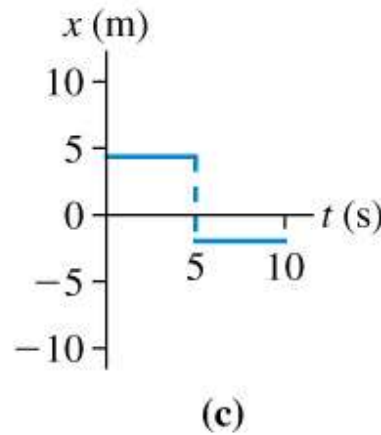
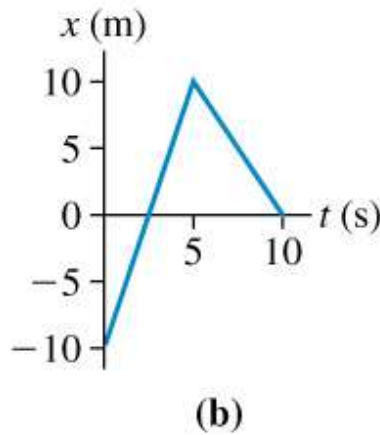
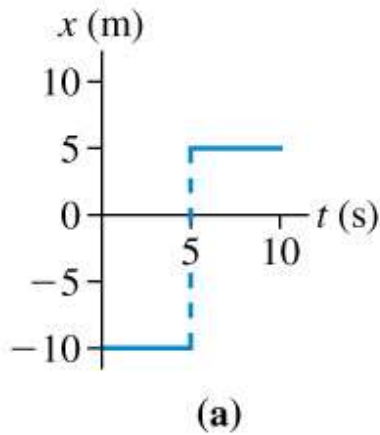
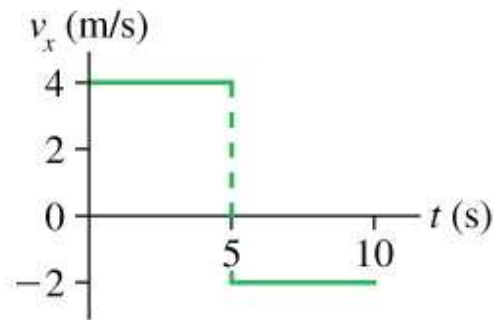
(d)



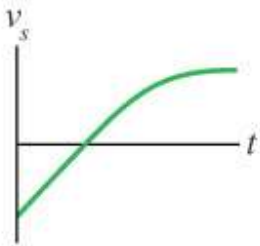
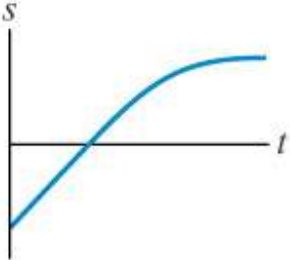
Two objects start from the same point at $t = 0$.

- Do they ever have the same velocity? If so, when?
- Are they ever side-by-side again? If so, when?

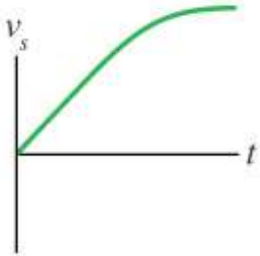
Which position-versus-time graph goes with this velocity-versus-time graph on the left? The particle's position at $t_i = 0$ s is $x_i = -10$ m .



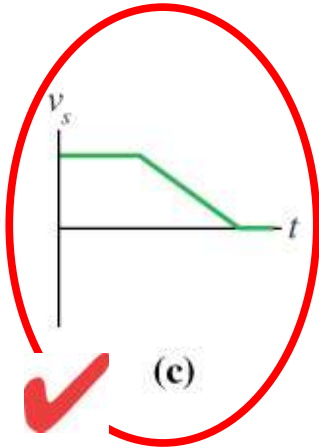
Which velocity-versus-time graph goes with this position-versus-time graph on the left?



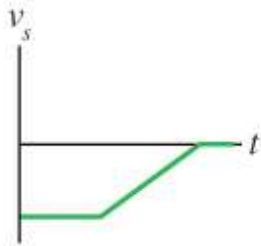
(a)



(b)

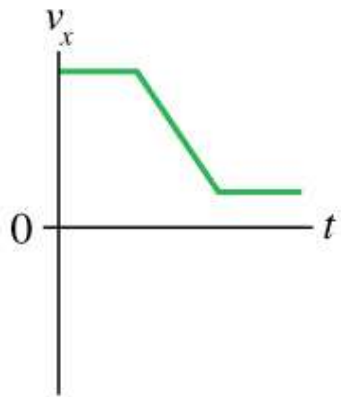
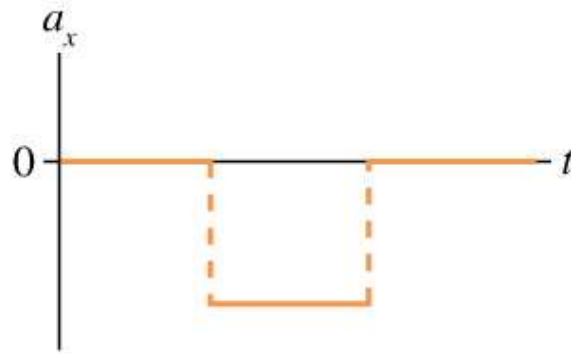


(c)

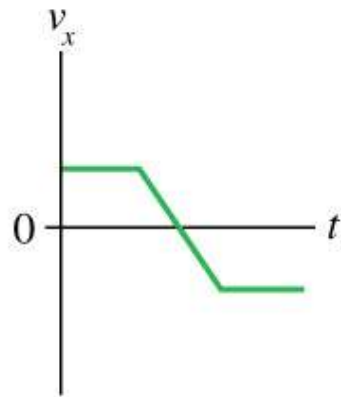


(d)

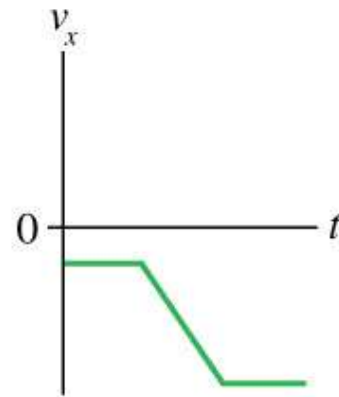
Which velocity-versus-time graph or graphs goes with this acceleration-versus-time graph? The particle is initially moving to the right and eventually to the left.



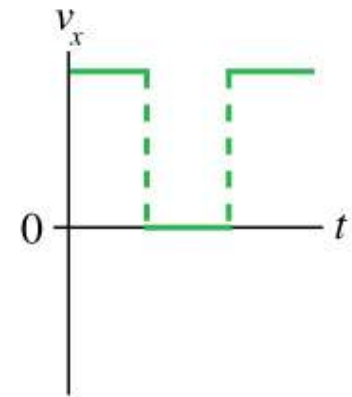
(a)



(b)

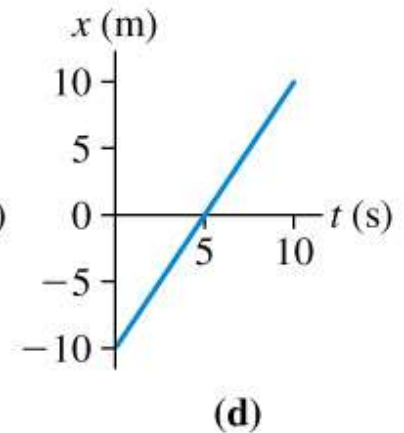
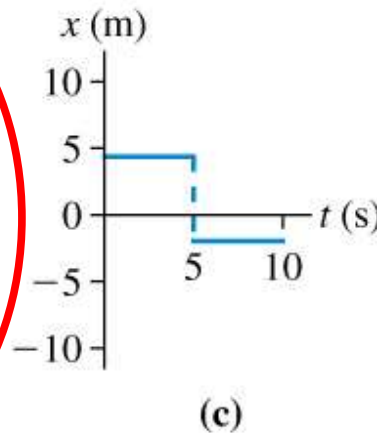
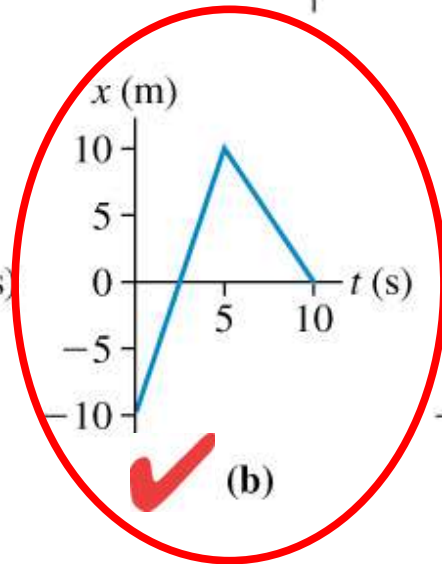
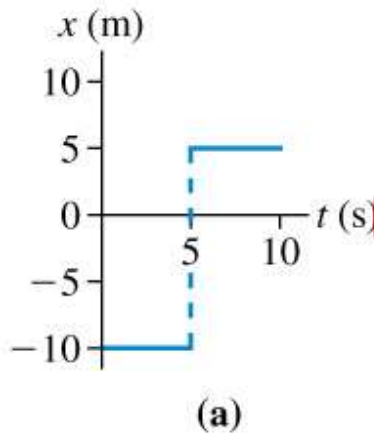
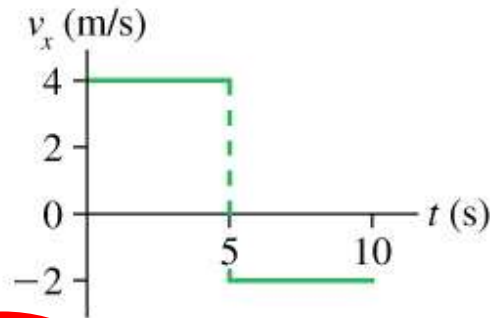


(c)

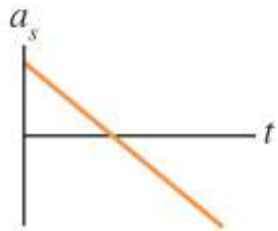
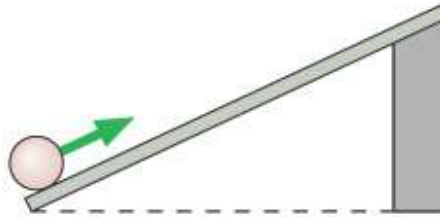


(d)

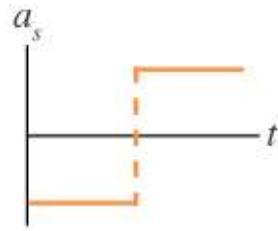
Which position-versus-time graph goes with this velocity-versus-time graph on the left? The particle's position at $t_i = 0$ s is $x_i = -10$ m .



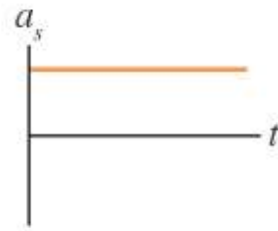
The ball rolls up the ramp, then back down. Which is the correct acceleration graph?



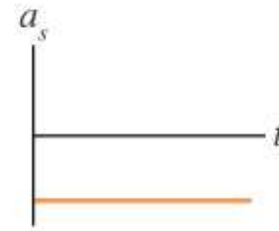
(a)



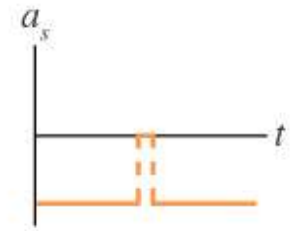
(b)



(c)

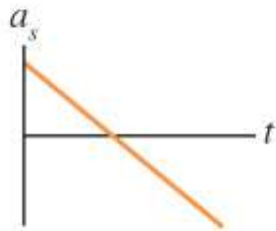
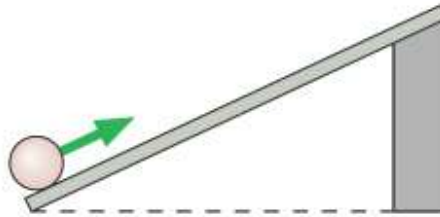


(d)

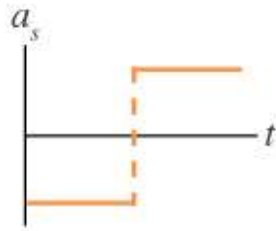


(e)

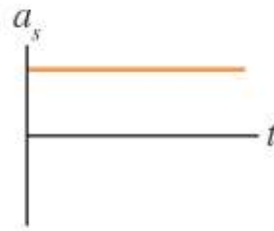
The ball rolls up the ramp, then back down. Which is the correct acceleration graph?



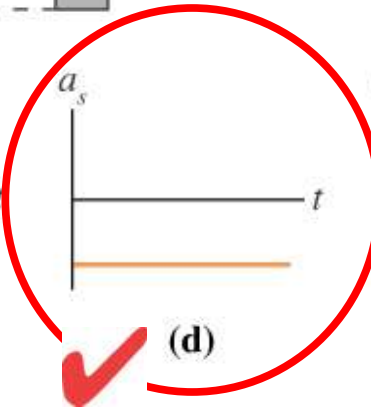
(a)



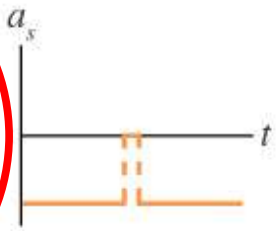
(b)



(c)



(d)



(e)