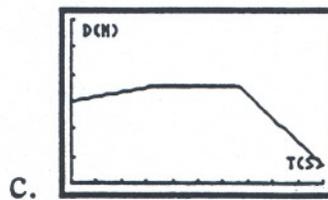
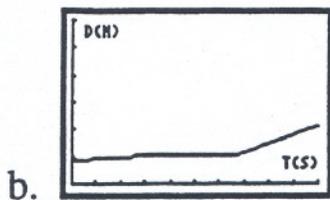
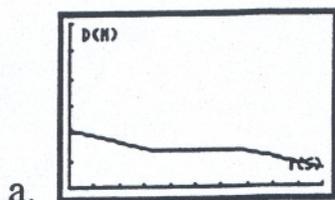


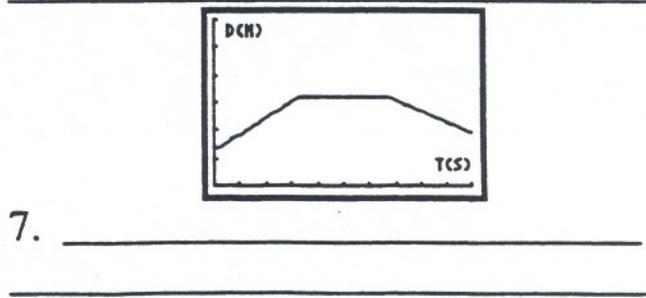
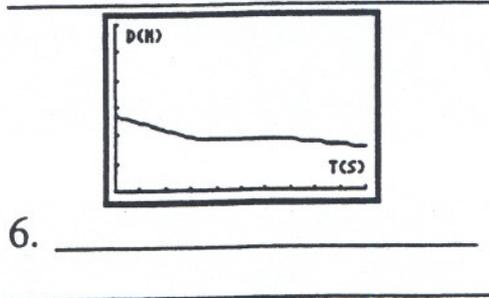
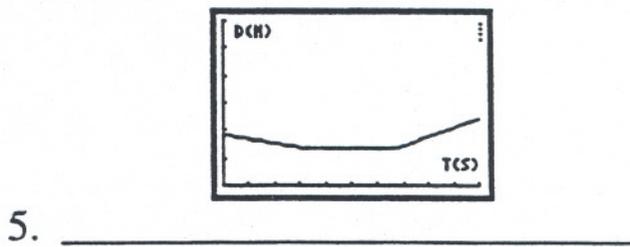
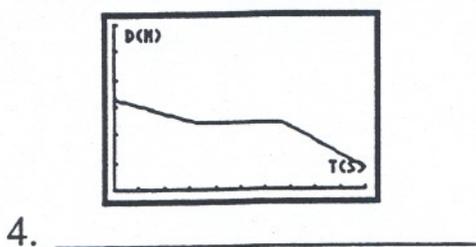
### Assessment: Linear Motion

Match the description with the graph.



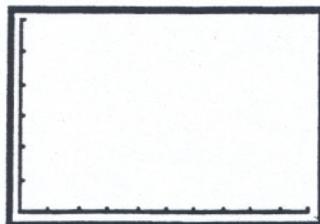
- \_\_\_\_\_ 1. Start one meter away from the motion detector. Walk slowly away from the motion detector for about 3 seconds, stand still for about 4 seconds, and then walk quickly away from the motion detector for about 3 seconds.
- \_\_\_\_\_ 2. Start 3 meters away from the motion detector, and walk away from it at a moderate rate for about 3 seconds. Stand still for about 4 seconds, and then walk quickly toward the motion detector for 3 seconds.
- \_\_\_\_\_ 3. Start 2 meters away from the motion detector, and walk toward it at a moderate rate for about 3 seconds. Stand still for about 4 seconds, and then walk toward the motion detector at about the same moderate rate as earlier for about 3 seconds.

Write a description for a walk that would produce each of these graphs.



Sketch a graph that would match the description.

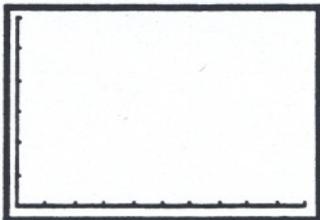
8. Start 4.5 meters from the motion detector, and walk quickly toward it for 2.5 seconds. Walk slowly toward the motion detector for 3 seconds. Walk even more slowly away from the motion detector for 4.5 seconds.



9. Start 0.5 meters from the motion detector. Walk slowly away from the motion detector for 5 seconds. Walk extremely slowly away from the motion detector for 2 seconds. Walk quickly away from the motion detector for 3 seconds.



10. Start one meter from the motion detector and stand still for 2 seconds. Walk away from the motion detector quickly for 5 seconds. Walk back slowly toward the motion detector for 3 seconds.



11. Start 3 meters from the motion detector, and walk slowly away from it for 3 seconds. Stand still for 4 seconds. Walk quickly toward the motion detector for 3 seconds.

